Search report

```
S1      985254   PROBE? ? OR SENTRY OR SCANNER? ? OR SENSOR? ?
S2     6830711   MONITOR? ? OR DETECT? ? OR DETECTION OR INTRUD? OR INTRUSI-
              ON OR RESPONSE OR ALERT? OR INCIDENT? ? OR INCIDENCE OR ATTAC-
              K? OR ANALY?S OR ANALYZE OR SENSORY(W)TECHNOLOGY OR FILTER
S3      565143   SURVEILLANCE OR CRYPTOGRAPH? OR TROJAN()HORSE OR FOOTPRINT?
               OR VULNERABIL?
S4      202771    (NETWORK OR NT)(5N)SECURITY OR INTELLIGEN?()DATABASE? ? OR
              MANAGED()SECURITY()MONITORING  OR SECURE(W)OPERATION? OR SECU-
              RITY(W)ANALYST OR SECURITY(W)ENGINEER OR NETWORK()ADMINISTRAT-
              OR
S5         211   S1(2N)S2(2N)S3(2N)S4
S6         176   S1(1N)S2(2N)S3(2N)S4
S7           0   S6 AND (SECOR(4N)OPERATION?(4N)CENTER?)
S8           0   S6 AND (SECURE(4N)OPERATION? ?)
S9          72   RD 6 (unique items)
S10          2   S9(2N)MONITOR?
S11          0   S9(5N)ANALYST
S12          2   S10(4N)SECURITY
S13         71   S9(4N)NETWORK
S14         71   S9(2N)NETWORK
S15          2   S10 OR S12
S16         25   S9 AND NETWORK/TI
```

...on investment. The other complaint is that most framework products don't provide tools to **respond** to the **alarm** ."

ProVision, however, delivers a modular tool set -- that is, a set of specialized tools that...

...to enterprise management system vendor, Tivoli Systems, points out that in order to go beyond **monitoring** **network** and system **events** to actually managing performance, **analysis** is required.

"An event correlation engine is used to analyze real-time event data in...accomplish the correlation of monitored server events. PerfMan, he stresses, is not a real-time **event** **monitor** .

"PerfMan provides trend **analysis** based on data collected infrequently from agents or from native operating system performance counters. The...

10/3,K/21 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02304556 SUPPLIER NUMBER: 54841517 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Can Intrusion Detection **Keep an Eye on Your** Network'**s** **Security? (Technology Information)**
Karve, Anita
Network, NA
April 1, 1999
ISSN: 1093-8001 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3702 LINE COUNT: 00308

Can Intrusion Detection **Keep an Eye on Your** Network'**s** **Security? (Technology Information)**
... eye on network traffic and to know if anything out of the ordinary is happening, **network** security should be supplemented with an **Intrusion** **Detection** System (IDS).

IDS tools act much like a **security** guard or a **sentry** . They constantly scan **network** traffic or host audit logs and look for anything unusual, which is normally defined as...

...detection products are crucial to knowing what kind of activity is taking place on your **network** . IDS products can **identify** **attacks** based on predefined signatures of known methods of intrusion. They can also identify statistical anomalies...

...of products, usually referred to as risk-assessment products, or more simply as scanners. While **intrusion** **detection** **looks** for **attacks** in progress, these scanners actually conduct ethical barrages against your **network** to look for vulnerabilities. (For more on scanners, see "Scanning the Network," page 38.) Although...

...attacks. Fourth, it should subject the system to a minimal level of overhead. Finally, an **intrusion -detection** system should also be able to adapt as a **network** and its applications and other devices change over time.

Host-based systems got their start before distributed **networks** became commonplace. In the 1980s, typical host-based **intrusion** **detection** consisted of reviewing audit logs for anomalous activity, which was sufficient because attacks on mainframe...

...IDSs. Network-based systems monitor network traffic in real time, which leads to faster administration **notification** and faster **response** to any

ISSN: 1046-4468 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 4410 LINE COUNT: 00369

... brought the idea of vulnerability scanning into the mainstream-and with it the need for **intrusion detection** . **Intrusion -detection** systems (IDS), content- and URL-**filtering** servers, **network** virus scanners and vulnerability scanners augment network security by examining data that's passed through...

...of one security threat. For example, numerous point products have appeared to block access to **networks , scan** for **viruses , filter unauthorized** Internet access via e-mail or HTTP, track **network** usage and scan for vulnerabilities and ongoing attacks. With numerous point products to install, manage...
...security perspective, including applications, policies and vulnerabilities. Frameworks also should aggregate data, perform event correlation, **handle** routine events and **alert** administrators to events needing immediate attention.

Frameworks Evolution Mimics Network Management's Path

Currently, early...sources. Reporting, historical analysis and automated response all benefit from event correlation. Event correlation for **network** security is no different-rules need to be developed to **identify security events** correctly while ignoring innocuous events.

The mainstay of any security system is its reporting and...whole. For example, Enterprise Security Manager, NetRecon, NetProwler and Intruder Alert will share the same **vulnerability** signature **database** , also slated for the second quarter. Check Point is building on OPSEC, integrating more partners...

...of this year. Initial offerings will cover basic integration between diverse products, such as firewalls, **network** scanners, **intrusion - detection** systems and **virus** /content scanners.

Advanced security options such as event correlation and automated response systems are only...plans. They must be in lockstep. When one changes, the other needs to be re-**evaluated** .

Web Links

"**Intrusion Detection** , Take Two" (**Network** Computing, Nov. 15, 1999) www.**networkcomputing** .com/1023/1023f1.html

"Anatomy of a Network Intrusion" (Network Computing, Oct. 18, 1999) www...

10/3,K/20 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02324744 SUPPLIER NUMBER: 55512571 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Of Neugents and Correlation Engines.(server performance management)(Technology Information)
Toigo, Jon William
HP Professional, 13, 8, 2S12
August, 1999
ISSN: 0896-145X LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2341 LINE COUNT: 00197

... offer a solution set for post-Y2K enterprise systems, and developments will be made within **DB tools** , data warehousing, application lifecycle management and Internet technologies.

"We use several of ProVision's components...

Surveillance **And** Intrusion Detection

...servers and workstations in the Solaris(tm) Operating Environment(tm). It incorporates the most comprehensive **knowledge base** for detecting insider misuse, policy violations, privilege misuse or subversion, illegal resource manipulation, and other site policy violations upon operating systems. This fully packaged solution provides users with:

-- a **knowledge base** of 39 host-oriented misuse-detection methods,

-- extensive user ability to configure both the **knowledge -base** and surveillance policy,

-- a graphical reporting console for managing sensor **alerts** ,

-- detailed **response** directives and human readable countermeasure recommendations,

-- and real-time and batch data processing.

When run...

...to the security posture of any Solaris server or workstation. This type of host-based **intrusion detection** complements other **surveillance** methods such as **network** traffic **analysis** and provides direct, correlated intrusion reports on malicious activity occurring within the host, providing global...

10/3,K/15 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2001 CMP. All rts. reserv.

01208397 CMP ACCESSION NUMBER: NWC20000124S0019
Hammering Out a Secure Framework - Tying enterprise systems management to security management will be crucial as security frameworks evolve. Solid solutions should arrive by the end of 2000.
Mike Fratto
NETWORK COMPUTING, 2000, n 1101, PG79
PUBLICATION DATE: 000124
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Feature
WORD COUNT: 4096

... brought the idea of vulnerability scanning into the mainstream-and with it the need for **intrusion detection** . **Intrusion - detection** systems (IDS), content- and URL-**filtering** servers, **network** virus scanners and vulnerability scanners augment network security by examining data that's passed through...

...of one security threat. For example, numerous point products have appeared to block access to **networks , scan** for **viruses , filter unauthorized** Internet access via e- mail or HTTP, track **network** usage and scan for vulnerabilities and ongoing attacks. With numerous point products to install, manage...

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...of this year. Initial offerings will cover basic integration between diverse products, such as firewalls, **network** scanners, **intrusion - detection** systems and **virus** /content scanners.

Advanced security options such as event correlation and automated response systems are only...plans. They must be in lockstep. When one changes, the other needs to be re-**evaluated** .

Web Links

"**Intrusion Detection** , Take Two" (**Network** Computing, Nov. 15, 1999) www.**networkcomputing** .com/1023/1023f1.html

"Anatomy of a Network Intrusion" (Network Computing, Oct. 18, 1999) www...

COMPANY NAMES (DIALOG GENERATED): Active **Security** ; Axent Technologies ; **Check** Point Software Technologies ; Computer Associates ; Frameworks Evolution Mimics **Network** Management ; FreeBSD SA ; Gauntlet ; Internet Security Systems ; IBM Corp ; JSB Software Technologies ; Microsoft Corp ; Microsoft...

10/3,K/16 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2001 CMP. All rts. reserv.

01186353 CMP ACCESSION NUMBER: DAC19990307S0030
More Bark Than Bite - Simplicity? Yes. Savings? Probably. What providers of managed firewall services won't mention are the problems.
Joanna Makris
DATA COMMUNICATIONS, 1999, n 2803, PG36
PUBLICATION DATE: 990307
JOURNAL CODE: DAC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Cover Story - Firewall Services
WORD COUNT: 4535

... dynamic firewall." The device acts like a proxy firewall but also performs such functions as **intrusion detection** , using **analytical** software that monitors **network** activity from multiple locations.

After coming up to speed on the type of firewall, corporate...as the Netranger and Netsonar tools from Cisco Systems Inc. (San Jose, Calif.). These store **databases** of known **vulnerabilities** on Unix, NT, and Web servers and automatically send alerts to the management system when...

...providers also furnish raw security logs on request, so that customers can get a closer **look** at **events** and verify response time.

When it comes to auditing the **network** for potential holes, every provider but US West comes through. Audits are performed remotely by...

...range from $20,000 to $100,000, depending on the thoroughness. Why the additional cost? "**Intrusion detection** studies can tell you whether or not your **network** is vulnerable, but it takes a lot of work to detail what that vulnerability could...

...changes and hardware failures. Sprint touts the best: firewall availability, response time for fixing hardware, **handling** of network changes, **notification** of critical events, and monthly report delivery are all guaranteed. And customers can choose between...up with an encrypted e-mail confirmation.

7. Get the specifics on how the provider **handles** security **alarms** . Find out who's on its internal escalation list-and make sure account execs and...checks file and directory integrity by comparing a designated set of files and directories to **information stored** in a previously generated database. Differences, including added or deleted entries, are flagged and logged...

10/3,K/17 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2001 CMP. All rts. reserv.

00541216 CMP ACCESSION NUMBER: CWK19930201S5147
FILLING THE GAPS-Vendors are starting to offer wares to ease the transition from mainframe to LAN
Ron Peri
COMMUNICATIONSWEEK, 1993, n 439
PUBLICATION DATE: 930201
JOURNAL CODE: CWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: White Papers
WORD COUNT: 3707

... application modules, each priced at under $1,000 per server. The products promise to provide **network** monitoring, applications **monitoring** , asset management, **virus** protection, protocol **analysis** , software metering, scripting and software distribution. Intel says it intends to support SNMP as well...

...is call management-software that would let a manager easily track problem calls to their **resolution** and provide **alerts** when a problem has remained unresolved for a predetermined amount of time.

From an applications...scan tape cartridges. Half-inch tape drives from Ampex Corp., Redwood City, Calif., and Metrum **Information Storage** Corp., Denver, are now available with 25-megabyte storage capacity. These tape drives use SCSI...

10/3,K/18 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02471821 SUPPLIER NUMBER: 69964162 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Preventing Corporate Network Abuse Gets Personal -- Network access abuse and proprietary corporate data theft are a recipe for disaster. Survey activity in the ranks with an employee monitoring campaign.(Industry Trend or Event)
Dalton, Curtis E.
Network Magazine, 56
Feb 1, 2001
ISSN: 1093-8001 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2859 LINE COUNT: 00237

...ABSTRACT: software tools include those from WebSense and 3e6 Technologies. E-mail should be monitored and **filtered** if necessary to prevent virus **attacks** . Host-based **intrusion** **detection** systems can **monitor** and report on virtually every activity at the host, including user keystrokes. Detecting abuse or...
... configured to receive them, they can be interpreted and used to generate alerts on a **monitoring** console to notify **security** or support staff.

Choke points in your **network** that should be monitored include authentication servers, authorization servers, directory servers, database servers, file and...increase your chances for identifying the perpetrator(s). A key component of forensics is data **archival** and **handling** . For this reason, protect your data storage devices and media just as you would your...

...determine the specifics of how an alert will be generated and who will get the **alert** . **Solutions** such as Micromuse's (www. micromuse.com) NetCool and E-Security's (www.esecurityinc.com...

...the existence of a corporate-wide virus.

The ability to react to events on the **network** is crucial. By **identifying** **unauthorized** employee activities early on, you reduce the impact to your organization. Add real-time monitoring...

...reached at cdalton@greenwichtech.com.

Resources

The author recommends the following books on employee usage **monitoring** and **network** **security** :

Network **Analysis** and Troubleshooting, by J. Scott Haugdahl (2000, Addison Wesley)

Network Monitoring Explained: Design and Application...

10/3,K/19 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02365470 SUPPLIER NUMBER: 58924050 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Hammering Out a Secure Framework -- Tying enterprise systems management to security management will be crucial as security frameworks evolve. Solid solutions should arrive by the end of 2000.(Technology Information)
Fratto, Mike
Network Computing, 79
Jan 24, 2000

* Security **monitor** --A **security** **network** **monitor** will **detect** problems and provide you with a chance to stop an attack before it does damage...

...though the traffic can be a bit high at times. ISS builds one of the **network** **security** **monitors** that was noted above. Note the ".net" vs. ".com" in the address.

* http://www.secnet...

10/3,K/12 (Item 6 from file: 13)
DIALOG(R)File 13:BAMP
(c) 2001 Resp. DB Svcs. All rts. reserv.

01032419 00916679 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Taking It to the Next Level
(Leading network management platforms from several companies are evaluated; future technology discussed)
Article Author(s): Ptak, Rich
Internetwork, v 7, n 12, p 38-44
December 1996
DOCUMENT TYPE: Journal; Cross comparison study ISSN: 1079-0373 (United States)
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3355

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...basis for differentiation.

Fault management is the ability to locate and correct problems in the **network** . This includes automatic **event** **filtering** , **event** **monitoring** , **event** **response** , **alarm** setting, and thresholds. Fault management also examines the volume of events that can be handled...between the device models to build the internal network model.

Inductive Modeling Technology maintains a **knowledge** **base** of the models of all managed devices, including a complete functional, performance and relational description...

...to a backup server with some scripting and reconfiguration of servers.

graph omitted

* Support for **checkpoint** restart in the **event** of **network** , host or client failure.

HP is the clear leader in third-party application support. Its...polling and event filtering, and includes integrated NerveCenter technology for event correlation. A lack of **checkpoint** restart and **network** **security** alarm features lower the product's administration scores.

Sun keeps pace with other vendors in...

...is the scalability, not only in terms of managed nodes, but also its ability to **track** data and trigger **events** ," says Gene Diveglia, vice president of information services at Intelligence **Network** Online. "We provide mission-critical support services, and Sun allows us to do that."

security **filtering** , host-and **network** -level **intrusion** **detection** **tracking** and reconnaissance. DefendNet markets its service through small ISPs.

* RIPTech Technologies' Esentry software has its...

...firewall and intrusion detection tools; Esentry helps correlate the data. The company's operations center **analyzes** each **event** from its **sensors** . RIPTech remotely manages the security infrastructure and recommends how to respond to events.
* Counterpane takes...

...Counterpane, says the company installs the sensors on its customers' sites and then watches and **responds** to **alarms** . Counterpane charges about $12,000 per month.

--Kelly Jackson Higgins

Kelly Jackson Higgins is a...

10/3,K/9 (Item 3 from file: 13)
DIALOG(R)File 13:BAMP
(c) 2001 Resp. DB Svcs. All rts. reserv.

01151931 02311210 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Hammering Out a Secure Framework
(Tying enterprise systems management to security management will be crucial as security frameworks evolve)
Article Author(s): Fratto, Mike
Network Computing, v 11, n 1, p 79-80,82+
January 24, 2000
DOCUMENT TYPE: Journal ISSN: 1046-4468 (United States)
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3824

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
...security viewpoint, including policies, applications and vulnerabilities. Frameworks will also aggregate data, perform event correlation, **handle** routine events and **alert** administrators to events requiring immediate attention. Article describes security frameworks' evolution. ...

TEXT:
...brought the idea of vulnerability scanning into the mainstream--and with it the need for **intrusion** **detection** . **Intrusion** -**detection** systems (IDS), content- and URL-**filtering** servers, **network** virus scanners and vulnerability scanners augment network security by examining data that's passed through...

...of one security threat. For example, numerous point products have appeared to block access to **networks** , **scan** for **viruses** , **filter** **unauthorized** Internet access via e-mail or HTTP, track **network** usage and scan for vulnerabilities and ongoing attacks. With numerous point products to install, manage...

...security perspective, including applications, policies and vulnerabilities. Frameworks also should aggregate data, perform event to generate meaningful trend analysis, giving a complete view of the security...

... have been developed 'in-house', such as for on-line banking. Security Advisor enables the **security** team to **monitor** the whole **network** , with information fed back in a standard format, giving a holistic overview of the security infrastructure.

About Security Advisor 2.0

* Total **cross** -platform **security** **monitoring** supporting operating systems, firewalls, intrusion detection systems, authentication servers and other security related functionality
* Centralises...

...attacks and probes against firewalls and changes to firewall rules

* Support for site specific operator **response** to **alerts**
* Monitors access to Microsoft Windows NT through Event Viewer API and UNIX through system logs...

... common framework for security applications/platforms the alerting and reporting capabilities are greatly enhanced. Security **Advisor** , **Advisor** Technologies' flagship software **solution** enables a security team to monitor how well a security policy has been implemented across...

?show files;ds

[redacted]

```
S16         98   S14 NOT S15
S17         52   RD S16 (unique items)
?t17/3,k/all

 17/3,K/1     (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2001 Resp. DB Svcs. All rts. reserv.

02077959 (USE FORMAT 7 OR 9 FOR FULLTEXT)
ISS Unveils Version 5.0 Of Internet Scanner Software
(Internet Security Systems' Internet Scanner 5.0 now features a range of
 unique security reporting capabilities, performance enhancements, and a
 significant number of new Windows NT and Unix vulnerability checks)
Newsbytes News Network, p N/A
February 26, 1998
DOCUMENT TYPE: Journal  ISSN: 0983-1592  (United States)
LANGUAGE: English  RECORD TYPE: Fulltext
WORD COUNT:  652

ABSTRACT:
...security vulnerabilities to scan a network and identify security holes
automatically. In addition to identifying security  weaknesses quickly,
Internet Scanner is claimed to respond  with detailed, easy-to-understand
corrective actions and automatic prioritization of security risks. Key to
the package is what officials describe as a dynamic database  of security
 vulnerability   checks  that ISS has built up over several years to give
users the most reliable means possible of detecting  their network
security  holes. Using Internet Scanner , the company claims that
organizations can quickly and easily generate numerous and varied reports
-- including...


 17/3,K/2     (Item 1 from file: 13)
DIALOG(R)File  13:BAMP
(c) 2001 Resp. DB Svcs. All rts. reserv.

01151931             02311210 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Hammering Out a Secure Framework
(Tying enterprise systems management to security management will be crucial
   as security frameworks evolve)
Article Author(s):  Fratto, Mike
Network Computing, v 11, n 1, p 79-80,82+
January 24, 2000
DOCUMENT TYPE: Journal  ISSN: 1046-4468  (United States)
LANGUAGE: English  RECORD TYPE: Fulltext; Abstract
WORD COUNT:  3824

 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...big thing. But that's only after someone spends lots of time writing the
rule base  to correlate events  from multiple sources. Reporting,
historical analysis  and automated response  all benefit from event
correlation. Event  correlation for network   security  is no
different--rules need to be developed to identify   security   events
correctly while ignoring innocuous events.
The mainstay of any  security system is its reporting and...


 17/3,K/3     (Item 2 from file: 13)
DIALOG(R)File  13:BAMP
(c) 2001 Resp. DB Svcs. All rts. reserv.

01123400             01999440 (USE FORMAT 7 OR 9 FOR FULLTEXT)
CyberCop Patrols On Linux
(Evaluator says Network Associates' CyberCop Scanner 2.5 Linux Version has
```

as one of its strengths, extensive vulnerability-checks database)
Article Author(s): Levine, Diane E
Information Week, p 116
May 24, 1999
DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 737

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...first commercially available Linux network scanner.

CyberCop Scanner 2.5 scans and audits an entire **network** or individual hosts to verify and report on **network** and system security vulnerabilities before they become problems. CyberCop tests for more than 540 vulnerabilities and provides summaries, detailed reports, and advice. **Network** Associates provides monthly engine, **resolution** , and **vulnerability** **database** updates via its AutoUpdate technology. Because **intrusion** **attacks** sometimes evade **network** **intrusion** **-detection** **sensors** , host **monitoring** with CyberCop provides information on events and system behaviors, compares these against a rules database, and **identifies** possible **intrusion** attempts.

Installation of CyberCop requires no special training. A novice security or auditing person can...

...the CyberCop Intrusion Protection Suite

Strengths

* Scans and audits entire networks and hosts for system **security** vulnerabilities

* Extensive **vulnerability** **-checks** **database**

* Provides possible **resolution** for vulnerabilities

Weaknesses
* Skip Currently Running Module button on the toolbar may not stop all...

17/3,K/4 (Item 3 from file: 13)
DIALOG(R)File 13:BAMP
(c) 2001 Resp. DB Svcs. All rts. reserv.

01108603 01793101
Safeguarding Data With WORM: Technologies, Processes, Legalities, And Standards
(Article discusses Write-Once-Read-Many (WORM) technology as ideal storage solution, according to several firms)
Article Author(s): Peebles, Mike
Computer Technology Review, v XVIII, n 12, p 50,52
December 1998
DOCUMENT TYPE: Journal ISSN: 0278-9647 (United States)
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT:
The article discusses the Write-Once-Read-Many (**WORM**) technology as ideal storage **solution** . **WORM** addresses the needs of many firms perfectly from a technological point of view. Yet, unless...

...more questions, they have achieved only the illusion of data security. In managing and safeguarding **computer** -based information, firms worldwide must implement the two fundamental requirement for data security, which include...

00567290 **Image available**
TELECOMMUNICATIONS NETWORK MANAGEMENT OBSERVATION AND RESPONSE SYSTEM
SYSTEME D'OBSERVATION ET DE REPONSE POUR GESTION DE RESEAU DE TELECOMMUNICATIONS
Patent Applicant/Assignee:
COHERENT COMMUNICATIONS SYSTEMS CORP, COHERENT COMMUNICATIONS SYSTEMS CORP. , 45085 University Drive, Ashburn, VA 20147 , US
Inventor(s):
HERSHEY Paul C, HERSHEY, Paul, C. , 7523 Belle Grae Drive, Manassas, VA 22110 , US
STOLTZFUS Jeffrey L, STOLTZFUS, Jeffrey, L. , 7424 Paxton Road, Falls Church, VA 22043 , US
Patent and Priority Information (Country, Number, Date):
Patent: WO 9812828 A1 19980326
Application: WO 97US15531 19970904 (PCT/WO US9715531)
Priority Application: US 96714865 19960917
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Filing Language: English
Fulltext Word Count: 3417

Fulltext Availability:
Detailed Description

Detailed Description
... management protocol software to provide for real time processing of the desired information.

The network **probe** is programmed to **monitor** a number of network functions and conditions including configurations, faults, performance, accounting, and **security** . **Network** configuration includes such parameters as network signaling and VT1.5 mapping for SONET. Network fault...

5/3,K/18 (Item 15 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00331444
INFRARED INTRUSION SENSOR
CAPTEUR INFRAROUGE ANTI-INTRUSION
Patent Applicant/Assignee:
THE COMMONWEALTH OF AUSTRALIA
LIDDIARD Kevin Charles
RICE Brian William
WATSON Rodney James
Inventor(s):
LIDDIARD Kevin Charles
RICE Brian William
WATSON Rodney James
Patent and Priority Information (Country, Number, Date):
Patent: WO 9318492 A1 19930916
Application: WO 93AU93 19930308 (PCT/WO AU9300093)
Priority Application: AU 921228 19920309

Designated States: AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KP KR LK LU
MG MN MW NL NO PT RO RU SD SE SK UA US AT BE CH DE DK ES FR GB GR IE IT
LU MC NL PT SE CF CG CI CM GA GN ML MR SN TD TG
Publication Language: English
Fulltext Word Count: 5647
Fulltext Availability:
Detailed Description

Detailed Description
... a commercially available personal computer.

Alternatively, the sensors may be integrated with an existing remote **surveillance** or **security** **sensor** system.

In preference the **network** control means comprises a computer and network controller. The network controller interfaces between the plurality of infrared **intrusion** **sensors** and a serial port of the computer. In this arrangement the computer may also comprise...

5/3,K/19 (Item 16 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00303463
INTELLIGENT SECURITY SYSTEM
SYSTEME DE SECURITE INTELLIGENT
Patent Applicant/Assignee:
INTERAMERICAN INDUSTRIAL COMPANY
Inventor(s):
ANDREWS George F
Patent and Priority Information (Country, Number, Date):
Patent: WO 9213326 A1 19920806
Application: WO 91US5700 19910809 (PCT/WO US9105700)
Priority Application: US 91643455 19910118
Designated States: AT AU BE CA CH DE DK ES FR GB GR IT LU NL SE
Publication Language: English
Fulltext Word Count: 3418

Fulltext Availability:
Claims

Claim
... throughout the several views of the drawings.
t~
DETAIMD DESCRIPTIM
A preferred emb od ime **nt** for the intelligent **security** system of this invention is depicted in block diagram form in the view of Fig. 1. As shown in that figure, the system comprises a **scanner** mans to **detect** the presence of a predetermined object (not sh own) and to transmit an enc M...
?

02689882/9

02689882 Supplier Number: 45454663 (THIS IS THE FULLTEXT)

HANDLING A DEVIL OF A NETWORK PROBLEM

Network Management Systems & Strategies, v7, n7, pN/A
April 4, 1995
ISSN: 1043-1217
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 588

TEXT:

Humans have a genius for making something bad out of something good. A classic case is atomic energy. Its potential for helping mankind was recognized instantly. But its first major uses were destructive.

That phenomenon has recently appeared in the computer industry. Many information systems managers around the world have just added a tool for analyzing the security status of corporate networks. Unfortunately, the tool -- in the wrong hands -- can also be used to breach a network's defenses.

The tool is known as "SATAN," an acronym for Security Administrator Tool for Analyzing Networks. Designed to report security weaknesses in a networked computer site, the tool can mimic a computer intruder and find ways to "break into" highly confidential computer files. Used by ethical individuals SATAN can help a company determine how safe its confidential files are against intruders. But unethical hackers can use it to infiltrate a computer system, find security weaknesses and use or alter confidential data for fun, profit or malicious intent.

According to Robert A. Clyde, a network security expert with AXENT Technologies (Rockville, Md.), corporations can protect themselves from a "malicious security breach."

Clyde said there are steps that can be taken short-term and long-term to protect against unauthorized access to secure information. Since AXENT is a network security vendor, its opinions about SATAN should be kept in perspective. Nevertheless, he does offer the following common sense suggestions:

* Installing SATAN may not be way to protect information. "In fact, that cure may be worse than the disease," Clyde said. Products such as SATAN can be damaging in networked environments if installed and used by non-security experts. Most security products provide recourse from improper use; SATAN does not.

* It is not necessary to use SATAN in order to protect against it, Clyde said. There are other commercially available products on the market that can detect the same security vulnerabilities.

* Ensure that the latest security patches and upgrades to operating system are loaded. Implement enhanced access controls on Unix systems to limit and restrict network access.

* Implement an intrusion detection system. Alarms exist for networks to warn if someone is violating policy and breaking in. An intrusion detection system acts like an automated sprinkler system to detect and stop an outsider from breaking in.

* Know SATAN's limitations before it is loaded on the network. Though SATAN could be a useful tool to discover potential security vulnerabilities it is not a complete security solution and running SATAN doesn't necessarily mean that data is secured.

* Do not run SATAN if a network is connected to someone else's system. Since SATAN actively "probes" or attacks other systems in the network for security vulnerabilities, security administrators may find themselves in the awkward position of explaining to the owners of other systems why they are attempting to break into those systems. SATAN has no way of knowing which specific systems a particular security administrator covers or which systems in the network a particular company owns.

Over the long term, Clyde suggests: developing security policies immediately; defining the security policies; tracking adherence to established policies; and implementing an automated centrally managed solution based on security policies.

An automated solution, Clyde said, should be capable of running only authorized multiple platforms and network protocols. Unlike SATAN, only authorized personnel should have access to tools to look at systems for which it was specifically authorized.

AXENT's main focus is providing enterprise-class information security software and professional services for PCs, PC/LANs, Unix workstations and servers, mid-range computers, and mainframes.

Subscription: $445 per year as of 1/92. Published biweekly. Contact
DataTrends Publications, Inc., 30 Catocin Circle, S.E., Suite C
Leeburg, Virginia 22075. (703) 760-0660. FAX (703) 760-9365.

PUBLISHER NAME: DataTrends Publications, Inc.
INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation)

00262507   91DB12-004
The Reference Expert: **a** computerized database **utilizing INMAGIC and a worm drive**
19911201
?t15/7/2-7,11-12,23-27

15/7/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2001 Institution of Electrical Engineers. All rts. reserv.

04301787 INSPEC Abstract Number: C9301-6150J-034
Title: A rule-based intrusion detection **system**
Author(s): Holden, D.
Author Affiliation: Digitial Equipment Corp., Merrimack, NH, USA
Journal: IFIP Transactions A (Computer Science and Technology) vol.A-15 p.433-40
Publication Date: 1992 Country of Publication: Netherlands
CODEN: ITATEC ISSN: 0926-5473
Conference Title: IFIP TC11 Eighth International Conference on Information Security, IFIP/Sec '92
Conference Date: 27-29 May 1992 Conference Location: Singapore
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Practical (P)

Abstract: The nature of the information produced by typical operating system audit subsystems makes analysis and interpretation of audit logs difficult. Keeping up with the audit stream in real time is infeasible unless the process is automated. The author describes an on-going project to develop real-time **security monitoring** and analysis applications that performs rule-based analysis of the output of the audit subsystem to recognize and **respond** to security-relevant activity such as system **intrusion** . The prototype application **monitors** the audit-record stream generated at the syscall level and recognizes higher level, security-relevant actions. Related actions are identified and grouped into sets representing a stream of logically connected **events** . A rule **base analyzes** the sets of **events** and generates **responses** in near real-time. The system detects actions which may be attempts to subvert the security policy of an installation, and collects auxiliary information necessary for making decisions. The monitoring application communicates significant activity to system management and can take immediate countermeasures. The author describes the architecture and control mechanisms being developed and provides an example of the functionality recently implemented in a VMS product to **detect** system **intrusions** . (5 Refs)

Subfile: C

15/7/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2001 Institution of Electrical Engineers. All rts. reserv.

03684222 INSPEC Abstract Number: A90104353
Title: A systematic approach to recurring event/problem determination
Author(s): Futrell, R.C.
Author Affiliation: Duke Power Co., Charlotte, NC, USA
Journal: Transactions of the American Nuclear Society vol.61 p. 295-6
Publication Date: 1990 Country of Publication: USA
CODEN: TANSAO ISSN: 0003-018X
Conference Title: 1990 Annual Meeting of the American Nuclear Society (papers in summary form only received)
Conference Date: 10-14 June 1990 Conference Location: Nashville, TN, USA
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Practical (P)

Abstract: A lot can be accomplished in the data centre to improve availability by dramatically reducing human intervention and error. AWT has made significant advances towards full automation by combining a range of vendor automation tools with our own expert systems. Using experts in their particular fields, a **knowledge base** has been established to expertly **respond** to system **events** . As a result we have reduced our costs and our problems and opened up new career paths for our operators. Application availability has increased and our mainframe and mid-range hardware environments are monitored and managed remotely and automatically. Our problems are logged and escalated automatically, with support staff being beeped without human intervention based on pre-set escalation guidelines. The building environments and **security** will also be **monitored** automatically. We have come a long way. We have come out of the dark, with automation lighting the way to improved services and reduced cost. (Author abstract) 2 Refs.

15/7/23 (Item 1 from file: 202)
DIALOG(R)File 202:Information Science Abs.
(c) Information Today, Inc. All rts. reserv.

00204832 9604832
ISA Document Number in Printed Publication: 9604478
Networked **reproduction apparatus with security feature.**
Document Type: Patent
Author (Affiliation): Matias, L.A.
Patent Assignee(s): Eastman Kodak Co.
Patent Number(s): US 5528374
Publication Language(s): English
Source: Jun 18, 1996

An electronic/copier printer apparatus includes a scanner for scanning original documents representing a copy from a first source of image information and printer input means for receiving electrical signals representing electronic information of a production job from a second source of information. A marking engine prints production jobs. The marking engine means includes means for communicating with the scanner and the printer input means. A memory forms a part of the marking engine and stores electrical signals representing production jobs from the first and second sources. The marketing engine includes a **security** mode wherein in **response** to a loss of communication with one of the scanner and the printer input means while communication remains with the other there is selectively prevented production of production jobs stored in said memory means and derived from the one to which communication is lost while selectively printing production jobs from the other to which communication remains. A **network** is also described wherein one or more input devices is coupled to one or more marking engines and a similar security mode is provided. That is, loss of communication between a marking engine and a front end device precludes printing of **information** already **stored** in the marking engine and derived from the source to which communication is lost.

15/7/24 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2001 Info. Today Inc. All rts. reserv.

00552952 99SU11-005
What you need to know about NAS
Williams, Tim; Smith, Sue
Storage Management Solutions , November 1, 1999 , v4 n5 p22-24, 3 Page(s)
ISSN: 1097-5152

Discusses factors driving end user demand for **network** attached storage (NAS) and for a new generation of storage appliances. Describes the cost benefit to information technology (IT), the administrative convenience, and **network** -based UNIX and Microsoft NT integration. Claims that new NAS appliances will **handle** file **security** and integrity, the semantics of UNIX and NT file systems, and various file attributes. Adds that NAS appliances must be able to support various file locking requirements. Notes that security features are crucial and the devices must unify UNIX and NT **security** semantics by managing **identifiers** , access rights, and descriptors. Explains that the ability to store UNIX and NT data on a single device is supported by SMB/CIFS protocols for NT and NSF for UNIX. Includes one photo. (amg)

15/7/25 (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2001 Info. Today Inc. All rts. reserv.

00546732 99IX09-001
Life after IDS -- You spent months evaluating, testing, purchasing and deploying your intrusion detection **system. Now the fun really begins**
Schneider, Sondra; Schetina, Erik; Stahl, Donald; Maes, Vincent
Information Security , September 1, 1999 , v2 n9 p18-25, 28-29, 8 Page(s)
ISSN: 1096-8903

Presents a special section on **intrusion detection** , including the article ``Life After IDS'' (p18-25) by Sondra Schneider et al. which indicates the need to have resources that can customize, monitor, react to, and make corrections to **intrusion detection** systems (IDSs). Notes that the basic types of IDS sensors are **network** -based, which act like super sniffers, and host-based, which depend on the OS's logs to **detect events** . States that to **monitor** one's systems effectively, one needs to prepare in the areas of IDS **monitoring** and **response** , **incident handling** , forensic analysis and data retention, and reporting. Also includes ``How I Chose an IDS'' (p28-29) by Vincent Maes, which chronicles the steps the author took in choosing RealSecure from ISS, which offers the most attach signatures, provides a strong R&D support base, and maintains a searchable **database** of **vulnerabilities** . Includes two photos, two tables, two sidebars, one screen display, and a list of related products. (jon)

15/7/26 (Item 3 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2001 Info. Today Inc. All rts. reserv.

00474981 97PK10-202
Intel revamps LDMS management suite
Musich, Paula
PC WEEK , October 20, 1997 , v14 n44 p1, 18, 2 Page(s)
ISSN: 0740-1604
Company Name: Intel Corp.
Product Name: LANDesk Management Suite 6.0

Announces the availability of LANDesk Management Suite 6.0 ($NA), a systems management software package from Intel Corp. of Santa Clara, CA. Says it uses Windows NT as the foundation for its core management server and provides users with the option of using any Open Database Connectivity (ODBC)-compliant database to store inventory and management data. Adds that it manages both 16- and 32-bit desktops and handles software distribution, metering, and inventory as well as diagnostics, remote control, server-based **event handling** , server **monitoring** , and integrated reporting. Also says it supports a mixed environment of NetWare, Window NT, Mac OS, and OS/2 servers and clients. Includes a chart. (dpm)

15/7/27 (Item 4 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2001 Info. Today Inc. All rts. reserv.

00463407 97ID06-001
Avoiding computer **viruses**

networks . It supports Windows and Windows 95 and provides on-**screen** **event** notification. The price is $65.

MERGENT INTERNATIONAL PC/DACS AND DOMAIN/DACS FOR DOS AND...SOFTWARE METZ LOCK

Metz Lock is access control software for LAN Manager and Windows NT **networks** . It supports Windows and provides on-**screen** **event** notification. The price is $39.

MILKYWAY **NETWORKS** BLACK HOLE

Black Hole is access control, encryption, and firewall software. It supports Unix and...

...OCTOPUS 1.6

Octopus 1.6 is server and disaster recovery software for Windows NT **networks** . It supports Windows NT and provides on-**screen** **event** notification. The price is $999.

ONTRACK DATA RECOVERY ONTRACK NETSHIELD

Ontrack NetShield is antivirus hardware for NetWare 3.x and NetWare 4.x **networks** . It supports DOS, Windows, and OS/2 and provides on-**screen** and fax **event** notification.

PARALON PATHKEY AND PATHKEY/DOMAIN SERIES

The PathKey and PathKey/Domain Series is access...

...access control, and encryption software for NetWare 3.x, NetWare 4.x, and Windows NT **networks** . It supports DOS, Windows, and Windows NT and provides on-**screen** **event** notification. The price is $149.95.

PLATINUM TECHNOLOGY PLATINUM AUTOSECURE

Platinum AutoSecure is security management software for HP-UX, AIX, Solaris, and SunOS **networks** . It supports Motif and provides on-**screen** **event** notification. Prices start at $50 for client components and $1,000 for server components.

PREFERRED...

...SAFEDIAL

SafeDial is encryption hardware for NetWare 3.x, NetWare 4.x, and Windows NT **networks** . It supports Windows and Windows NT and provides on-**screen** **event** notification. The price is $995.

RAPTOR SYSTEMS EAGLE **LAN** , EAGLE REMOTE, AND EAGLE 3.X

Eagle LAN, Eagle Remote, and Eagle 3,x are...

10/3,K/24 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01932916 SUPPLIER NUMBER: 18220942 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Moving on to the Net? Think about your route. (approaches for creating firewalls) (includes related articles on Unix systems security, glossary of firewall terms, security product listing) (Technology Information)
Gilliland, Steve
Data Based Advisor, v14, n5, p60(6)
May, 1996
ISSN: 0740-5200 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4074 LINE COUNT: 00336

... 615-9911, (404)843-9111 Fax (404) 843-9700 http://www.tlogic.com
Kane Security **Analyst** for Novell and NT **Intrusion** **Detection** , Inc. New York New York 10028 800-408-6104, (212) 360-6104 Fax: (212) 427...

...Security Tools, then on System Monitoring. Merlin is listed here.

* The Carnegie Mellon Computer Emergency **Response** Team (CERT) issues

advisories that described security holes in popular products and systems, prescribes patches, and offers a set...to block or filter some or all of the traffic trying to pass between the **networks** .

Intrusion detection : **Detection** of break-ins or break-in attempts either manually, or via software expert systems that...
...be caused to perform unauthorized activity, resulting in a security breach.

Logging: The process of **storing** **information** about events that occurred on the firewall or network.

Log retention: How long audit logs...

10/3,K/25 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01708295 SUPPLIER NUMBER: 16170863 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Network management. (Annual Buyers' Guide) (Buyers Guide)
LAN Magazine, v9, n11, p185(45)
Oct 15, 1994
DOCUMENT TYPE: Buyers Guide ISSN: 0898-0012 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 17405 LINE COUNT: 01525

... Manager, LAN Server, VINES, Windows NT, and NFS. Call-tracking, problem-resolution, and third-party **knowledge -base** features are supported. Pricing starts at $50,000 for a 10-user server system.
ANSWERSET...

...clients. Call-tracking, trouble-ticketing, problem-routing, inventory management, suggested-solutions, reporting, historical-log, and **knowledge -base** features are supported. Prices start at $995.
AUTOMATED PROGRAMMING TECHNOLOGIES APT MIRROR IMAGE
APT Mirror...

...ticketing, problem-routing, inventory management, suggested-solutions, reporting, historical-log, problem-resolution trees, and optional **knowledge -base** features are supported.
BLUE LANCE LT HELPDESK
LT HelpDesk runs on NetWare 3.x for...

...platforms for DOS and Windows clients. Call-tracking, trouble-ticketing, problem-routing, inventory management, suggested-**solutions** , reporting, historical-log, automatic-**notification** , automaticescalation, and service-level agreement features are supported. The price is $16,500 for a ...Utilities for Networks--LAN Directory provides details about the hardware and software on LANs and **stores** detailed **information** on all network components. Computer managers can track PCs and Macs, including standalone machines, file...hubs/repeaters, bridges/switches, and touters on NetWare 3.x, LAN Manager, and LAN Server **networks** . It has a Windows interface and supports SNMP. On-**screen** **event** -notification and topology-mapping, traffic-monitoring, protocol-analysis, configuration, fault management, and usage-monitoring functions...an X Window interface and supports SNMP and RMON. On-screen, e-mail, and pager **event** -notification, and traffic **monitoring** , protocol-anaylsis, configuration, fault management, usage-monitoring, accounting, automatic **network** -baselining, and global network-applications functions are provided. RMON base manager software costs $4,000...Topology-mapping, traffic monitoring, protocol-analysis, configuration, fault management, and usage-monitoring function, and on-**screen** and pager **event** -notification are provided.

an enhancement to the SNMP standard defined by the Internet Engineering Task Force...

...Hermes. This product will initially include hardware and software inventory tracking, automated software distribution including **virus detection** , remote control, and troubleshooting, and management of **networked** applications. While both the Norton Administrator for Networks and Hermes will support DMI, the Microsoft...PCs, including Macintosh), client PC monitoring, server monitoring, network monitoring, application metering, electronic software distribution, **network** mapping, alert notification, printer and queue management, **virus detection** , storage management, asset management, and automatic task scheduling.

Technology overview

Irrespective of the specific network...desktop management function with application monitor and a comprehensive server monitor module with very good **alert -handling** features.

LANDesk Manager comes with impressive documentation and an excellent user interface. The Control Panel...

...LANLord and Saber LAN Workstation are excellent for workstation management. LANLord excels in workstation trap (**alarm**) **handling** and management, large network support and multiple NOS support. But LANLord lacks server management capability...

...and Frye Utilities for Networks provide the best threshold setting and alarm features. Frye's **alarm notification** and **response** option is the most flexible.

XTree Tools for Networks, VisiNet and LANLord receive low management ...

...options and excellent management applications and functions. Particularly strong are the threshold set-up and **alarm notification** and **response** . But it lacks Windows support and network monitoring/protocol analysis support, and there is limited...

...and workstation management options and report generation and output are limited, and there is no **alert notification** and **response** capability.

However, it does have a protocol decode feature, superior auto discovery and topology mapping...

...affected BindView NCS's error handling score.

All the management products performed well in the **event tracking evaluation** . Alerts and configuration changes were correctly identified by all the programs.

Ease of learning

All...management function with an application monitor, and an effective server monitor module with very good **alert -handling** features. The Control Panel in LANDesk Manager's user interface is amongst the best of...installing new applications, installation and distribution of operating system software, and software upgrades on a **network** .

VIRUS PROTECTION

A **virus scan** /protect program enables centrally managed virus protection for **network** file servers and client workstations (DOS, Windows, Mac, OS/2 etc.). Virus protection should be...

...define the methods of collecting and exchanging management information. Other specification modules include the Management **Information Base** (MIB) and Directory Services.

In an attempt to define a network management standard, the Internet ...

OneView runs on DOS and Unix with a graphical interface. SNMP is supported. It provides a hierarchical **network** map, on-**screen** **event** -notification, and a MIB compiler. Approximately 60 third-party applications are available. Prices start at...

...6000

CMS 6000 runs on Unix with an X Window interface. It offers a hierarchical **network** map, on-**screen** **event** -notification, and a MIB compiler. It supports SNMP and RMON, and it costs $15,000...

...AMERICA SNMPC

SNMPc runs on Windows and supports SNMP and RMON. It provides a hierarchical **network** map, on-**screen** **event** -notification, and a MIB compiler. Ten third-party applications are available. It costs $4,649...

...NMS

Direct Route NMS runs on Windows and supports SNMP management. It provides a hierarchical **network** map, Microsoft SQL Server relational database, on-**screen** **event** -notification, and a MIB compiler. It sells for $499.

THOMAS-CONRAD SECTRA FOR WINDOWS

Sectra for Windows supports SNMP management protocols. It provides a hierarchical **network** map, on-**screen** **event** -notification, and a MIB compiler. It is priced at under $1,500.

TRELLIS NETWORK SERVICES...

...and supports SNMP and NMVT. It provides a gateway to IBM NetView functions and on-**screen** **event** -notification.

CIRCUIT MASTERS STAYUP

StayUp supports NetWare **networks** . It automatically maintains network connections. When the connection to the file server is lost, StayUp ...

...NetBIOS, NetWare 3.x and 4.x, LAN Manager, LAN Server, VINES, and Windows NT **networks** . It has a Windows interface. Batch processing functions and on-**screen** and e-mail **event** -notification are provided. It costs $1,495 per batch processor.

PROTOCOL ANALYZERS

AG GROUP ETHERPEEK...

10/3,K/26 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01688514 SUPPLIER NUMBER: 15519041 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Network management systems. (introduction to network management market and requirements and review of nine network management tools) (Software Review) (PC User NSTL Lab Test) (Evaluation)
PC User, n234, p90(15)
May 4, 1994
DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 7497 LINE COUNT: 00656

... management function with an application monitor, and an effective server monitor module with very good **alert -handling** features. The Control Panel in LANDesk Manager's user interface is amongst the best of... main management standards (SNMP and CMIP) or defining new management extensions.

The remote monitoring management **information base** (RMON MIB) --

...it also archives data to permit trend analysis.
RMON MIB
The Remote Network Monitoring Management **Information Base** (RMON MIB) defines network monitoring functions with more rigorous fault diagnosis, performance tuning and comprehensive...

10/3,K/27 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01579757 SUPPLIER NUMBER: 13050629 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Networx, Remedy square off. (Networx Inc.'s Paradigm, Remedy Corp.'s Health Profiler network management packages) (Product Announcement)
LAN Magazine, v8, n1, p16(2)
Jan, 1993
DOCUMENT TYPE: Product Announcement ISSN: 0898-0012 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 484 LINE COUNT: 00040

...ABSTRACT: as IBM 's NetView/6000 and HP's OpenView; it combines real-time inventory updating, **incidents tracking** and performance **analysis** . Paradigm uses trouble tickets to monitor **network** problem-solving projects. If a network device fails, Paradigm issues a report, tracks the progress of diagnosis and repairs and informs affected users when the problem is **solved** . Paradigm **stores** devices' performance histories in cross-referenced tables. Remedy's Health Profiler features libraries of vendor...
... IBM's NetView/6000 platforms. This trouble-ticketing application integrates real-time inventory updates, performance **analysis** , and **incidents tracking** . Like Remedy's Action Request System, Paradigm uses trouble tickets to track the workflow of...

...problems-from a report by a device or a user, through analysis and repair, to **resolution** , including **notification** of the affected users. Its architecture enables network managers to automate network management tasks, says...

10/3,K/28 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

04965540 Supplier Number: 73542517 (USE FORMAT 7 FOR FULLTEXT)
Advisor **Technologies launches integrated** solution **for security infrastructure; Centralised monitoring of security systems enables more reliable detection of threats.**
M2 Presswire, pNA
April 23, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 753

(USE FORMAT 7 FOR FULLTEXT)
Advisor **Technologies launches integrated** solution **for security infrastructure; Centralised monitoring of security systems enables more reliable detection of threats.**
TEXT:
M2 PRESSWIRE-23 April 2001-**Advisor** Technologies: **Advisor** Technologies

Ok

launches integrated **solution** for security infrastructure; Centralised monitoring of security systems enables more reliable detection of threats (C...
... administrators.

Security Advisor monitors security applications around the clock, storing event logs in a central **repository** . Log **information** can be used to generate meaningful trend analysis, giving a complete view of the securitysuch as for on-line banking. Security Advisor enables the **security** team to **monitor** the whole **network** , with information fed back in a standard format, giving a holistic overview of the security infrastructure.

About Security Advisor 2.0

* Total **cross** -platform **security** **monitoring** supporting operating systems, firewalls, intrusion detection systems, authentication servers and other security related functionality

* Centralises...attacks and probes against firewalls and changes to firewall rules

* Support for site specific operator **response** to **alerts**

* Monitors access to Microsoft Windows NT through Event Viewer API and UNIX through system logs...

...common framework for security applications/platforms the alerting and reporting capabilities are greatly enhanced. Security **Advisor** , **Advisor** Technologies' flagship software **solution** enables a security team to monitor how well a security policy has been implemented across...

10/3,K/29 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04751381 SUPPLIER NUMBER: 53853115 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Electronic commerce commands canny insight into hacker moves
Robinson, Clarence A Jr
Signal (FSIG), v54 n9, p53-56, p.4
May 2000
ISSN: 0037-4938 JOURNAL CODE: FSIG
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2373

TEXT:
... commercial products obtained from information security vendors. These products perform security incident responses, penetration testing, **network** threat identification, assessment, **intrusion** **detection** and **analysis** . "It is possible to protect information systems and associated business assets. To do so requires...and the cost involved. This process has been refined and relates to Para-Protects extensive **database** of identified **vulnerabilities** , which have been built up with experience and can change almost hourly. Product companies are...

...and altered Lloyd's Web site, which momentarily disappeared from the Internet. The appropriate incident **response** team in London was **notified** .

When Lloyd's restored the original Web page, it soon became obvious that not ...sized businesses with an Internet security solution that contains a firewall, operations monitoring and incident **response** . Other packages include Para-**Alarm** , a 24-hour, seven-day-a-week firewall monitoring service that detects and reacts to...

```
     Tertiary Functions:
     Modeling and Simulation          * Simulation packages and
                                        modeling software
     infrastructure Design.             Advanced cable...
Storage/Backup    * Backup/restoration
                                      software
                                    * Tape storage
                                    * Tape management
                                      system
     Baseline Security              * Application-specific
                                    * control
                                    * Virus -detection  software
     Secondary Functions:
     End User Device                * Education/
      Management                      documentation
                                    * Network  Operating
                                    * System utilities
                                    * Spare parts
                                    * Diagnostic software
                                      utilities
     Performance Monitoring         * Performance monitoring
                                      software
     Inventory                      * Inventory...specific and third-party
```

diagnostic utilities (such as Symantec's Norton Utilities) can provide diagnostic **information** on the **storage** media, file structure and system file corruption. * Performance Monitoring and Inventory: Performance monitoring includes probing...

...and accesses, storage space, CPU utilization) and the use of central applications (such as a **database**). The **information** can be used to increase the LAN efficiency and pinpoint potential problems - such as disk ...

...levels and to identify areas of improvement. Auditing involves evaluating the entire scope of the **LAN** and includes response time tests, **analyzing security** breaches, facility **checks** and usage monitoring. An audit should result in plans and procedures that improve the LAN...

10/3,K/36 (Item 1 from file: 20)
DIALOG(R)File 20:World Reporter
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16295601 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Advisor **Technologies:** Advisor **Technologies launches integrated** solution **for security infrastructure; Centralised monitoring of security systems enables more reliable detection of threats**
M2 PRESSWIRE
April 23, 2001
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 704

(USE FORMAT 7 OR 9 FOR FULLTEXT)
Advisor **Technologies:** Advisor **Technologies launches integrated** solution **for security infrastructure; Centralised monitoring of security systems enables more reliable detection of threats**

... administrators.

Security Advisor monitors security applications around the clock, storing event logs in a central **repository** . Log **information** can be used

```
  Detailed Description
  Claims
Fulltext Word Count: 10482

English Abstract
  A method and system (500) for receiving data packet (505) in a virtual
  local area network (525).

French Abstract
  L'invention concerne des procedes et un appareil comprenant des produits
  de programme informatique qui mettent en oeuvre et utilisent des
  techniques permettant de traiter un paquet de donnees dans un dispositif
  d'acheminement de paquets. Ledit dispositif recoit un paquet de donnees.
  Un processeur determine une destination de reseau local virtuel pour le
  paquet de donnees recu et identifie un ensemble de regles associe a cette
  destination, ces regles etant appliquees audit paquet de donnees.
  Lorsqu'on determine une destination de reseau local virtuel pour le
  paquet de donnees recu, ce paquet de donnees est emis en sortie vers
  ladite destination a l'aide du resultat de l'application des regles.
  Lorsqu'aucune destination n'a ete determinee, le paquet de donnees est
  elimine. L'invention concerne egalement un systeme de securite permettant
  de separer des ressources de systeme de securite en une pluralite de
  domaines de securite separes pouvant etre configures de facon a appliquer
  au moins une politique et a affecter des ressources de systeme de
  securite a au moins un domaine de securite.

Legal Status (Type, Date, Text)
Publication  20021010 A2 Without international search report and to be
                         republished upon receipt of that report.
Search Rpt    20030424 Late publication of international search report
Republication 20030424 A3 With international search report.

Fulltext Availability:
  Detailed Description

Detailed Description
...  can include a user interface for viewing and modifying a set of
  policies relating to a specific  subsystem . The  security  system
  resources can include authentication services. The security system
  resources can  include  virtual private  network  (VPN) services. The
  security system resources can include traffic management services. The
  security system resources can include...


 15/5,K/5     (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00934945    **Image available**
A SECURITY SYSTEM WITH AN INTELLIGENT DMA CONTROLLER
SYSTEME DE SECURITE A CONTROLEUR D'ACCES DIRECT MEMOIRE INTELLIGENT
Patent Applicant/Assignee:
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Legal Representative:
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    820, 10260 SW Greenburg Road, Portland, OR 97223, US,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 200269115 A2-A3 20020906 (WO 0269115)
  Application:         WO 2002US6384 20020228  (PCT/WO US0206384)
  Priority Application: US 2001272439 20010228
```

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-001/24
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 11064

English Abstract

A security subsystem is provided with at least a first security engine (106), a first set of registers (602, 604-608) and a control portion to perform a first security operation for each of a first number of data blocks of each of a first number of data segments of a first data object (116). In one embodiment, the security subsystem is provided with two security engines (106) and two sets of registers to respectively perform the first security operation and a second security operation for the first data object and a similarly constituted second data object (116). In one embodiment, the first and second security operations are DES (122a) and hashing operations. In one embodiment, the multi-method security subsystem is embodied in a multi-service system-on-chip.

French Abstract

La presente invention concerne un sous-systeme de securite muni d'au moins un premier moteur de securite, un premier ensemble de registres et une partie de commande pour effectuer une premiere operation de securite pour chacun d'un premier nombre de blocs de donnees d'un premier nombre de segments de donnees d'un premier objet de donnees. Dans un mode de realisation, le sous-systeme de securite est equipe de deux moteurs de securite et de deux ensembles de registres en vue d'effectuer respectivement la premiere operation de securite et une deuxieme operation de securite pour le premier objet de donnees et un deuxieme objet de donnees de structure similaire. Dans un mode de realisation, les premier et deuxieme operations de securite sont des operations de norme de chiffrement de donnees et de hachage. Dans un mode de realisation, le sous-systeme de securite a procedes multiples se presente sous la forme d'un systeme a services multiples realise sur puce. FIG. 1 : 102 PROCESSEUR DE COMMANDE 112 CACHE-I 114 CACHE-D 104 MEMOIRE 116 OBJETS DE DONNEES 118 DESCRIPTEURS 106 SOUS-SYSTEMES DE SECURITE 120 ACCES DIRECT MEMOIRE INTELLIGENT 122 MOTEURS DE SECURITE 108 AUTRES SOUS-SYSTEMES

Legal Status (Type, Date, Text)

Publication	20020906	A2 Without international search report and to be republished upon receipt of that report.
Search Rpt	20021031	Late publication of international search report
Republication	20021031	A3 With international search report.
Republication	20021031	A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination	20021219	Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description

... wherein a block diagram illustrating an overview of a SOC 100 including control processor 102, memory 104, **security subsystem** 106 incorporated with the teachings of the present invention, and

other subsystems 108, in accordance with one embodiment, shown. As illustrated, for the embodiment, control processor 102, memory 104, **security subsystem** 106 and other subsystems 108 are coupled to each other via on
chip bus II 0, and **communicate** with each other in accordance with a predetermined bus protocol. In one embodiment, the on-chip bus...

...security subsystem 106 includes intelligent DIVIA 120 of the present invention.

Resultantly, unless so desired, upon requested, **security subsystem** 106 may
4
service a security need of one of subsystems 108 substantially without further **interactions** with control processor 102 and the requesting subsystem 108, thereby improving the overall operational efficiency of **SOC** 100.

The terms "security service" and "security operation" are used interchangeably in the present application, depending on...

15/5,K/6 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00926001 **Image available**
METHOD AND APPARATUS FOR VERIFYING THE INTEGRITY OF COMPUTER NETWORKS AND IMPLEMENTATION OF COUNTER MEASURES
PROCEDE ET APPAREIL DE VERIFICATION DE L'INTEGRITE DES RESEAUX INFORMATIQUES ET MISE EN OEUVRE DE CONTREMESURES
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Patent Applicant/Inventor:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200260117 A1 20020801 (WO 0260117)
Application: WO 2002US2218 20020124 (PCT/WO US0202218)
Priority Application: US 2001770525 20010125
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: H04L-009/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 3843

English Abstract
A method and apparatus for verifying the integrity of devices on a target network (100) having two components: a subsystem (50) connected to the target network (100), and a master system (60), isolated therefrom by a secure lin (52). The topological and hierarchical relationship of the devices to each other improves stability of the apparatus. Random testing

of the subsystem (50) by the master system (60) provide verification and independent self-checking.

French Abstract

La presente invention concerne un procede et un appareil de verification de l'integrite de dispositifs sur un reseau cible (100) possedant deux composants : un sous-systeme (50) connecte au reseau cible (100) et un systeme principal (60), isole par une liaison sure (52). La relation topologique et hierarchique desdits dispositifs les uns par rapport aux autres ameliore la stabilite de l'appareil. Le test aleatoire du sous-systeme (50) par le systeme principal (60) permet la verification et l'auto-controle independant.

Legal Status (Type, Date, Text)

```
Publication  20020801 A1 With international search report.
Publication  20020801 A1 Before the expiration of the time limit for
                         amending the claims and to be republished in the
                         event of the receipt of amendments.
Examination   20021227 Request for preliminary examination prior to end of
                         19th month from priority date
```

Fulltext Availability:
Detailed Description
Claims

Detailed Description

... is provided a network security system to prevent intrusion on a target network having at least one **security subsystem** local to the target network provided to monitor network traffic an to detect attacks by an intruder on the system. The subsystem is **connected** via a secure link to a **master system** that is not otherwise **connected** to the target system. The **master system monitors** the subsystem via the secure link and registers information pertaining to the status of the subsystem. If the subsystem detects an attack on the target network, or does not respond to the **master system** , the **master system** will take appropriate action, ranging from logging the incident or notifying'a network manager to attempting to...outside the target network I 00, security on the network could be compromised.

In the present invention, **security subsystem** 50 is **connected** to network
backbone 12 and linked to each of the network's devices by a secure link ...

...such as Secure
7
SUBSTITUTE SHEET (RULE 26)
Sockets Layer (SSL). This ensures that communication between the **security subsystem** 50 and the other components of the target network cannot be intercepted by an intruder. A similar secure link 54 is established as a virtual private network (VPN) tunnel between the **security subsystem** 50 and a **master system** 60 **connected** to a remote network 1 1 0. Although the remote network is shown having its own firewalls...

...router 68, the ultimate configuration of remote network I 10 is not critical beyond secure link 54 **connecting security subsystem** 50 and **master system** 60. However, secure links 55 may be established between a device such as a network scanner 63...

...between the two networks cannot be intercepted by an intruder. Therefore, there should be no other direct **connection** between target network I 00 and remote network I IO except over a secure link.

Preferably, the...

...to the present embodiment wherein, even if completely subverted during an attack on target system I 00, **security subsystem** 5 0 would not result in a takeover of **master system** 60. The benefit of this configuration is that the **master system** would still be able to carry out its function. For example, if **master system** . 60 is configured.to sound an alarm when **security subsystem** 50 no longer responds to it, there would be no way, in this embodiment, for intruders on target network 100 to remotely shut down **master system** 60 because the **master system** will not respond to any instructions issued from a subordinate system. Although **master system** 60 may lose control of the target network, it is not in danger of being taken over by it. Additionally, if the link 54 between **master system** 60 and **security subsystem** 50 is severed or compromised, instructions may be routable instead through secure links 55.

9
SUBSTITUTE SHEET...

Claim

1 A security system for a computer connected to a network of computers comprising: at least one **security subsystem** associated with said computer, said subsystem
configured to detect attacks on said computer;
and a secure link between said **security subsystem** and a **master system** enabling data
communication therebetween; wherein
said **master system** monitors said **security subsystem** through said secure link and registers information pertaining to attacks detected by said **security subsystem** .

2 The **security** system of Claim I further comprising a pseudo attack generator associated with said master system for generating...

15/5,K/7 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00909145 **Image available**

PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED DESPECKLING MECHANISMS PROVIDED THEREIN

SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME DE DECHATOIEMENT INTEGRE

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent:	WO 200243195 A2-A3 20020530 (WO 0243195)
Application:	WO 2001US44011 20011121 (PCT/WO US0144011)
Priority Application:	US 2000721885 20001124; US 2001780027 20010209; US 2001781665 20010212; US 2001883130 20010615; US 2001954477 20010917; US 2001999687 20011031

Parent Application/Grant:

Related by Continuation to: US 2001954477 20010917 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06K-007/10

International Patent Class: G06K-007/14; G06K-007/00

Publication Language: English

Filing Language: English

Fulltext Availability:
Detailed Description
Claims

Fulltext Word Count: 298301

English Abstract

Methods of and systems for illuminating objects using planar laser illumination beams having substantially planar spatial distribution characteristics that extend through the field of view (FOV) of image formation and detection modules employed in such systems. Each planar

laser illumination beam is produced from a planar laser illumination beam array (PLIA) comprising a plurality of planar laser illumination modules (PLIMs). Each PLIM comprises a visible laser diode (VLD), a focusing lens, and a cylindrical optical element arranged therewith. The individual planar laser illumination beam components produced from each PLIM are optically combined to produce a composite substantially planar illumination beam having substantially uniform power density characteristics over the entire spatial extend thereof and thus the working range of the system. Preferably, each planar laser illumination beam component is focused so that the minimum beam width thereof occurs at a point or plane which is the farthest or maximum object distance at which the system is designed to acquire images.

French Abstract

La presente invention concerne des procedes et systemes d'illumination d'objets au moyen de faisceaux d'illumination laser planaire presentant des caracteristiques de distribution spatiale sensiblement planaire qui couvrent le champ d'observation de formation d'image et de modules de detection employes dans de tels systemes. Chaque faisceau d'illumination laser planaire est produit a partir d'une matrice de faisceaux d'illumination laser planaire (PLIA) comprenant une pluralite de modules PLIM d'illumination par faisceau laser. Chaque PLIM est constitue d'une diode laser visible (VLD), d'une lentille de focalisation, et d'un element optique cylindrique monte en consequence. Chacun des composants du faisceau d'illumination laser planaire produit a partir de chacun des PLIM est soumis a une combinaison optique de facon a produire un faisceau d'illumination laser composite sensiblement planaire aux caracteristiques de densite de puissance sensiblement uniformes sur la totalite de son etendue spatiale, et donc sur la plage operationnelle du systeme. De preference, chaque composant du faisceau d'illumination laser planaire est focalise de facon a n'avoir qu'un minimum de largeur du faisceau au point ou sur le plan qui est a la plus grande distance de l'objet a laquelle le systeme est concu pour l'acquisition d'images, ce qui compense la perte de densite de puissance du faisceau incident d'illumination laser planaire en raison du fait que la largeur du faisceau d'illumination laser planaire augmente en longueur de facon a augmenter la distance par rapport a l'optique d'imagerie. Grace a la presente invention, il est maintenant possible d'utiliser des detecteurs image de type VLD et a cellule CCD grande vitesse dans des applications a bande transporteuse, douchette ou sous-table, tout en tirant profit des avantages que procure une telle technologie, tout en evitant les inconvenients qui s'y rattachaient jusqu'alors.

Legal Status (Type, Date, Text)

Publication	20020530	A2 Without international search report and to be republished upon receipt of that report.
Examination	20030116	Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20030327	Late publication of international search report
Republication	20030327	A3 With international search report.

Fulltext Availability:
Claims

Claim

... that the numerous time-varying speckle-noise patterns can be temporally and spatially averaged during the photo- **integration** time period thereof, thereby reducing the RMS power of speckle-noise patterns observed at the image detection...length of the VLD), and temporally and spatially averaged at the image detection array during the photo-**integration** time period thereof, thereby reducing the RMS power of speckle-noise patterns observed at the image detection...image detection array, thereby allowing the numerous speckle-noise patterns to be temporally averaged over the photo- **integration** time period and spatially averaged over the image detection element
and the RMS power of the observable...varying speckle-noise patterns are temporally and spatially averaged at the image detection array during the

photo- **integration** time period thereof, thereby reducing the RMS power of speckle-noise patterns
observed at the image detection...Subsystem during the photo-integration time period thereof, which are temporally and spatially averaged during the photo- **integration** time period of the image detection array, thereby reducing the RMS power
level of speckle-noise patterns...to be produced at the vertically-elongated image detection elements of the IFD Subsystem during the photo- **integration** time period thereof, which are temporally and spatially averaged during the photointegration time period of the image ...lens, a variable focal distance and fixed field of view is arranged on an optical bench, mounted **within** a compact module housing, and responsive to focus control signals generated by the camera control computer of...dual-VLD PLIA and a linear CCD image detection array having vertically-elongated image detection elements configured **within** an optical assembly which provides a despeckling mechanism that operates in accordance with the first generalized method...generalized method of speckle-pattern noise reduction illustrated in Figs. MA through MD, and which also has **integrated** with its housing, (2) a LCD display panel for displaying images captured by said engine and information...a fixed focal length/variable focal distance image formation optics, (ii) an IR-based object detection subsystem **within** its hand-supportable housing for automatically activating in response to the detection of an object in its ...of symbol character data to a host computer system in response to decoding a bar code symbol **within** a captured image frame, and (iv) a LCD display panel and a data entry keypad for supporting...first illustrative embodiment of the airport security method of the present invention carried out using the
airport **security** system shown in Fig. 68A;
Fig. 69A is a schematic block system diagram of a second illustrative... ensuring that these two conditions are satisfied to the best degree possible (at the planar laser illumination **subsystem** and the camera **subsystem**) will ensure optimal reduction in speckle-noise patterns observed at the image detector of the PLIIM-based...will factor into the specification of the spatial phase modulation function (SPMF) of this speckle-noise reduction **subsystem** design. In general, if the system requires an increase in reduction in the RMS power of speckle...numerous substantially different time-varying speckle-noise patterns at the image detection array (of the accompanying IFD **subsystem**) during the photo-integration time period thereof. These time-varying speckle-noise patterns are temporally and possibly...of substantially different time-varying speckle-noise patterns generated at the image detection array during each photo- **integration** time period thereof: (i) the spatial period of the spatial phase modulating elements arranged on the surface...

15/5,K/8 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00837870 **Image available**
METHOD AND SYSTEM FOR DYNAMIC NETWORK INTRUSION MONITORING, DETECTION AND RESPONSE
PROCEDE ET SYSTEME DE SURVEILLANCE, DE DETECTION ET DE REACTION DYNAMIQUES EN CAS D'INTRUSION DANS UN RESEAU
Patent Applicant/Assignee:
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200171499 A1 20010927 (WO 0171499)
Application: WO 2001US7629 20010309 (PCT/WO US0107629)
Priority Application: US 2000190326 20000316; US 2001766343 20010119
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-011/30
International Patent Class: G06F-015/173
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 15974

English Abstract

A probe (2000) monitors sensors attached to the network for evidence of unauthorized intrusions. Such sensors include: firewalls and intrusion detection systems (1010), commercial sensors and agents (1020), decoys and honeypots (1030), and custom sensors and agents (1040). Noteworthy data indicating an unauthorized intrusion are formatted by the probe (2000) into messages which are sent to pipes (3000) to gateway system (4000) via internal network (5000), and then to the SOC (6000). The operation of SOC (6000) can be controlled by operating procedures (6030). Such operating procedures can include, for example, which customer contacts should be notified about what type of events and how to respond to certain types of attacks. The SOC (6000) can generate reports (6040) based on the activity of the network. All suspicious activity of the network, alert (6050) the security analyst (6010), and those suspicious events are stored in the database (6020).

French Abstract

Une sonde (2000) surveille des detecteurs relies au reseau qui signalent des intrusions non autorisees. Lesdits detecteurs comprennent des cloisons et des systemes de detection d'intrusions (1010), des detecteurs et des agents du commerce (1020), des leurres et des encodeurs (honeypots) (1030), des detecteurs et agents sur mesure (1040). Les donnees d'interet indiquant une intrusion non autorisees sont formatees par la sonde (2000) sous forme de messages qui sont envoyes a des canaux (3000) et a un systeme de portail (4000) via un reseau interne (5000), puis aux centres d'operations securises (SOC) (6000). La marche des SOC(6000) peut etre commandee par des procedures operatoires (6030). Ces procedures concernent, par exemple, les contacts client a prevenir en cas de tel ou tel type d'evenement et modalites de reaction face a certains types d'attaque. Les SOC(6000) peuvent produire des rapports (6040) en fonction de l'activite du reseau. En cas d'activite suspecte sur le reseau, un analyste securite (6010) est alerte (6050) cependant que les evenements suspects sont stockes dans la base de donnees (6020).

Legal Status (Type, Date, Text)
Publication 20010927 A1 With international search report.

Patent Applicant/Assignee:
COUNTERPANE INTERNET SECURITY INC...

15/5,K/9 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00836863 **Image available**
METHOD OF USING SYSTEM SPECIFIC DATA TO UNLOCK FILES THAT SHARE A COMMON

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        KEY
PROCEDE  D'UTILISATION  DE  DONNEES SPECIFIQUES A UN SYSTEME POUR DEBLOQUER
    DES FICHIERS PARTAGEANT UNE CLE COMMUNE
Patent Applicant/Assignee:
  SPINWARE INC, Suite 205, 1340 South de Anza Boulevard, San Jose, CA 95129
    , US, US (Residence), US (Nationality), (For all designated states
    except: US)
Patent Applicant/Inventor:
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    (Residence), US (Nationality), (Designated only for: US)
  KNIGHT Tony D, 2101 Donald Drive #29, Moraga, CA 94556, US, US
    (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  MALLIE Michael J (et al) (agent), Blakely, Sokoloff, Taylor & Zafman LLP,
    7th Floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025, US,
Patent and Priority Information (Country, Number, Date):
  Patent:               WO 200169886 A2-A3 20010920 (WO 0169886)
  Application:          WO 2001US8179 20010313  (PCT/WO US0108179)
  Priority Application: US 2000524048 20000313
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
  KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
  SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L-029/06
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 5592

English Abstract
  A method for conducting a transaction between a client system and a
  server system is described. The method may include registering
  information about a particular client system from among multiple client
  systems. The information is registered on a server system and may include
  a characteristic specific to the client system being registered. The
  method may also include purchasing access to the file by the client
  system from the server system and enabling the file to be accessed only
  by the client system purchasing access to the file. The access of the
  file may be enabled based on the characteristic specific to the client
  system.

French Abstract
  L'invention concerne un procede permettant d'effectuer une transaction
  entre un systeme client et un systeme serveur. Le procede peut contenir
  des informations d'enregistrement relatives a un systeme client
  particulier parmi une multiplicite de systemes clients. Des informations
  sont enregistrees dans un systeme serveur et peuvent contenir une
  caracteristique specifique au systeme client enregistre. Le procede peut
  aussi consister en l'achat d'un acces au fichier par le systeme client a
  partir du systeme serveur et la validation de l'acces au fichier
  uniquement par l'achat par le systeme client de l'acces au fichier.
  L'acces au fichier peut etre valide sur la base de la caracteristique
  specifique au systeme client.

Legal Status (Type, Date, Text)
Publication  20010920 A2 Without international search report and to be
                         republished upon receipt of that report.
Examination   20011213 Request for preliminary examination prior to end of
                         19th month from priority date
Search Rpt    20020411 Late publication of international search report
Republication 20020411 A3 With international search report.
```

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Fulltext Availability:
  Detailed Description

Detailed Description
...  bit block cipher that accepts a variable length key up to 256 bits.
  Twofish is available from Counterpane  Internet  Security , Inc., of
  San Jose, CA. Twofish is known in the art; accordingly, a more detailed
  discussion is...

...provided
  In an alternative embodiment, encryption engine 520 may use another
  encryption algorithm, for examples, Blowfish from Counterpane  Internet

   Security , Inc., of San Jose, CA; Serpent from Lars Knudsen of the
  University of Bergen, Norway, and Data...


 15/5,K/10     (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806389
SCHEDULING  AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE
    AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT
PROGRAMMATION  ET PLANIFICATION ANTICIPEE, ET GESTION PROACTIVE AU COURS DE
    LA  MAINTENANCE  ET  DE  L'ENTRETIEN  D'UN ENVIRONNEMENT DU TYPE CHAINE
    D'APPROVISIONNEMENT RESEAUTEE
Patent Applicant/Assignee:
  ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality)
Inventor(s):
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Legal Representative:
  HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
    2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
  Patent:               WO 200139082 A2 20010531 (WO 0139082)
  Application:          WO 2000US32228 20001122  (PCT/WO US0032228)
  Priority Application: US 99447625 19991122; US 99444889 19991122
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
  VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/16
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 152479

English Abstract


French Abstract
  L'invention concerne un systeme, un procede, et un article manufacture de
  gestion proactive mis en oeuvre au cours de la maintenance et de
  l'entretien d'un environnement du type chaine d'approvisionnement
  reseautee. Les appels telephoniques, les donnees et autres informations
  multimedia sont routes via un reseau assurant le transfert des
  informations via Internet au moyen d'informations de routage telephonique
  et d'informations d'adresse de protocole Internet. Ledit reseau comprend
```

un gestionnaire de seuil proactif qui avertit a l'avance les fournisseurs d'une rupture de contrat imminente. Ledit gestionnaire de seuil proactif envoie une alarme au fournisseur de services lorsque le niveau de service du moment n'atteint plus le niveau de service determine dans le contrat en termes de maintien d'un certain niveau de service.

```
Legal Status (Type, Date, Text)
Publication  20010531 A2 Without international search report and to be
                         republished upon receipt of that report.
Examination    20010927 Request for preliminary examination prior to end of
                         19th month from priority date
Declaration    20020103 Late publication under Article 17.2a
Republication 20020103 A2 With declaration under Article 17(2)(a); without
                         abstract; title not checked by the International
                         Searching Authority.
```

Fulltext Availability:
  Detailed Description

Detailed Description
... the switches have passed the burden of translating the time into a usable format to the network **subsystems** . The fixed record format cannot acconimodate the various time period requirements because (inverted exclamation mark)t only...the present invention. The Fault Management component 4600 records fallures and exceptions in network devices (e.g. **network** routers or UNIX servers) and perforiris the following operations.

1) performs root-cause correlation of the fallures...

15/5,K/11 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00802117 **Image available**
TRANSACTION TAX COLLECTION SYSTEM AND METHOD
SYSTEME ET PROCEDE DE RECOUVREMENT DE LA TAXE SUR LES TRANSACTIONS

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Patent Applicant/Inventor:
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  BLANDINA Mike, 7596 S. Telluride Ct., Aurora, CO 80016, US, US (Residence), US (Nationality), (Designated only for: US)
  BIRCH Doug, 6616 Old Ranch Trail, Littleton, CO 80125, US, US (Residence) , US (Nationality), (Designated only for: US)

Legal Representative:
  DUPRAY Dennis J (et al) (agent), Sheridan Ross P.C., 1560 Broadway, Suite 1200, Denver, CO 80202-5141, US,

```
Patent and Priority Information (Country, Number, Date):
  Patent:                WO 200135678 A2-A3 20010517 (WO 0135678)
  Application:           WO 2000US30903 20001110  (PCT/WO US0030903)
  Priority Application: US 99164976 19991111
```

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English

Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 29121

English Abstract

A system (32) and method for computing and collecting taxes is disclosed. In particular, the invention properly computes and collects, e.g., sales and use taxes that is consistent legal guidelines and restrictions imposed by national governments such as the United States. Accordingly, the invention is useful for computing and collecting taxes on Internet sales.

French Abstract

L'invention concerne un systeme et un procede de calcul et de recouvrement des taxes. En particulier, le systeme selon l'invention permet le calcul correct et le recouvrement de l'impot, notamment la taxe de vente et d'utilisation, selon les termes des directives et des restrictions juridiques imposees par les gouvernements nationaux, tels que le gouvernement des Etats-Unis. Le systeme et le procede selon l'invention sont donc utiles pour le calcul et le recouvrement des taxes sur les ventes par Internet.

Legal Status (Type, Date, Text)

```
Publication  20010517 A2 Without international search report and to be
                          republished upon receipt of that report.
Examination   20010809 Request for preliminary examination prior to end of
                          19th month from priority date
Search Rpt    20011004 Late publication of international search report
Republication 20011004 A3 With international search report.
```

Fulltext Availability:
  Detailed Description

Detailed Description

... authorities (or more precisely, the tax authority nodes 60). Thus, the tax authority interaction control system 432 **includes** a **network** interface and **security** **subsystem** 252B which may be identical to the network interface and **security** **subsystem** 252A of the merchant interaction control systein 256 mentioned hereinabove. In particular, the network interface and **security** **subsystem** 252B provides a secure socket layer (SSL) as part of the network 46 interface with the tax...

...encryption key per tax authority as one skilled in the art will understand. The network interface and **security** **subsystem** 252B (and 252A) includes the appropriated modules for transmitting and receiving data from the network 46 according...

15/5,K/12 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00762425 **Image available**
AN ELECTRONIC-RECEIPTS SERVICE
SERVICE ELECTRONIQUE DE RECUS
Patent Applicant/Assignee:
  RECEIPTCITY COM INC, 3051 N. 1st Street, San Jose, CA 95134, US, US (Residence), US (Nationality)
Inventor(s):
  ALLAN Scott T, 2924 Hillside Drive, Burlingame, CA 94010, US,
  MILES Jeffery, 6196 Gilder Drive, San Jose, CA 95123, US,
  STOUT J Greg, 642 Caliente, #23, Sunnyvale, CA 94086, US,
  VALLIANI Aziz, 1111 Tewa Court, Fremont, CA 94539, US,
  RAFII Abbas, 1546 Wisteria Court, Los Altos, CA 94024, US,
  KAREEMI Nazim, 2145 Emerson Street, Palo Alto, CA, US,
Legal Representative:

KAUFMAN Michael A (et al) (agent), Flehr Hohbach Test Albritton & Herbert LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US ,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200075834 A2-A3 20001214 (WO 0075834)
Application: WO 2000US15368 20000602 (PCT/WO US0015368)
Priority Application: US 99137575 19990604; US 99141380 19990628; US 2000480883 20000110

Designated States: CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: G06F-017/60
International Patent Class: G07F-019/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 18738

English Abstract

Apparatus and methods for a web-based transaction data storage and retrieval offering for merchants and customers, providing; retailers the operational cost savings of electronic signature capture with minimal integration of such signatures into their legacy systems. Transaction data including signatures are securely transmitted from the merchant to the remote, transaction-record repository. An internet browser then accesses an electronic-records-service web-site that provides a straightforward, user-friendly interface (for searching transaction-record data) for recreating receipts as proof of a transaction. When a transaction record (a receipt, for example) is required, the customer, the merchant's employees or designated financial agents of the customer or the merchant (banks or payment processors, for example) can access the electronics-records service through an internet using a web browser. These records can be viewed, downloaded or printed; or faxed or e-mailed to the desired recipient.

French Abstract

Cette invention concerne un dispositif et des procedes portant sur un systeme Web de stockage et de recuperation de donnees de transaction a l'intention de vendeurs et de clients. Grace a ce systeme, les detaillants peuvent reduire les couts operationnels en rapport avec la capture de la signature electronique, pour une integration minimale desdites signatures dans leurs systemes existants. Des donnees de transaction avec signatures sont transmises en toute securite du marchant a une logitheque a distance d'enregistrement des transactions. Un navigateur Internet permet ensuite d'acceder a un site web avec service d'enregistrement electronique qui assure une interface directe et conviviale (pour la recherche de donnees de transaction) en vue de la re-creation de recus comme preuve de la transaction. Lorsqu'une piece relative a une transaction (un recu par exemple) doit etre fournie, le client, le personnel du vendeur ou des agents financiers dument designes du client ou de vendeurs (tels que banques ou organismes charges du traitement des paiements) peuvent acceder aux dossiers electronique via Internet au moyen d'un navigateur. Ces dossiers peuvent etre etudies, transferes ou imprimes, ou bien etre expedies par telecopie ou courrier electronique au destinataire voulu. Pour acceder a un dossier electronique, l'utilisateur se rend sur le site Internet correspondant, s'enregistre et choisit la transaction pour laquelle il souhaite voir le recu. Pour cette recherche, il peut utiliser divers moyens (tels que date, emplacement d'enregistrement, montant total de la transaction) et observer visuellement le recu. L'utilisateur peut utiliser le dossier ainsi recupere de la transaction pour contester une facturation ou bien retourner ou echanger un bien. Ce service d'enregistrement de dossiers constitue ainsi un moyen rapide et economique au service du client tout en ameliorant la qualite du service a la clientele.

Legal Status (Type, Date, Text)

Publication 20001214 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010315 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20010525 Late publication of international search report
Republication 20010525 A3 With international search report.
Fulltext Availability:
Claims

Claim
... embodiment, the row is the foundation of information transfer for eReceipts objects.
Search service: The visual and **interactive** part of the data form, which part executes on a web server and browser.
Service administrator...

...180.
Each merchant 120 and some or all of the optional intermediate partner data center(s) 130 **communicate** over the communications link 160, typically a private network. The optional intermediate partner data center(s) 130 **communicate** (s) with the data farm 140 using the communications link 170, also typically a private network. (Where...

...intermediate data center 130 is present, the
I I
merchant(s) 120 and the data farm 140 **communicate** directly using the then-unitary communications links 160,170.)
In addition to communicating using the private nefworks...

...s) 120, any optional intermediate data center(s) 130 and the data farm 140 are each communicatively **connected** as hosts on the internet 180, allowing any one to **communicate** with any other one through that internet 180. (The personal computer 190 is viewed as a host...

...the infernet 180, although its actual status is more likely to depend on the directness of its **connection** to that internet 180, for example, through optional service providers not shown.)
A merchant 120 includes a...

...more point-of-sale (POS) systems 126. A POS system 126 and the merchant data center 127 **communicate** over a communications link 128 (typically a serial link) or a communications link 122. In addition to communicating using the link(s) 128,122, the POS system 126 is communicatively **connected** as a host on the internet 180, allowing communication with any other host on the intemet 180...
...web-enabled portions 1262,1261 of the POS payment platform, may maintain them distinct from but directly **connected**

to each other or may only associate the non-web-enabled and webenabled portions 1262,1261 of the POS platform (i.e., indirectly **connect** the cash-register and **interactive** web-enabled portions 1262, 1261 of the payment platform.) Alternatively, the POS system 126 may omit the...
stereo, inter alia.
With each item identified, the POS system 126 and the merchant data center 127 **communicate** . The result of the communications is that the customer is shown a description of the item lost...

...tax amount, etc. These descriptions may display on the transaction computer 126.
The POS system 126 also **communicates** with the data form 140 as the items are identified. The result of the communications is that...

...s store (or web site) or from a
manufacturer 130 regarding consumer electronics. He may see an
interactive advertisement.
In a batch system 100, items are identified and stored in the
merchant data center 127 and bulk (batch) data is **communicated** to the
data farm 140 at predetermined times.
Each transmitted content encourages the customer to attend
to...

...or clicking on an area of a web page, for example.
Any response to a content is **communicated** to the data farm
140. The farm 140 may alter the current or any subsequent presentation of
...

...The lack of a response,
which is of itself useful information, may or may not be explicitly
communicated to the data form 140.) Additionally or alternatively, the
interactive portion 1261 may be so responsive.
At some point in the transaction, usually after the sales agent...

...This early identification may help target the contents for
display to the identified customer.
DEVICES
- Web-Enabled **Interactive** Point-of-Salle Device
Figures 2 and 3 illustrate embodiments of the transaction
computer (TC) 1261 of a web-enabled **interactive** POS system 126.
Figure 2 is an illustration of a TC 200 of a POS system 126...

...transaction computer 200 or 300 in a POS system 126. The TC
200, 300 includes a processor **subsystem** 510, a **security** **subsystem**
520, an
input subsystem 530, an output subsystem 540, a payment subsystem 550, a
communications subsystem 560...in the communications subsystem 560 and
other drivers as
necessary to operate the input, output, payment and **security**
subsystems
530, 540, 550, 560. Hyper-Text Markup Language (HTML) and Java
(available from Sun Microsystems of Mountain...

...TCP) and Internet Protocol (IP) are currently the most popular
protocols.
Extensible Markup Language (XML) and Secure **Soc** 'ket Layers (SSQ are
examples of other applicable, popular protocols.
The memory 512 may also include application...

15/5,K/13 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00761432
METHODS, CONCEPTS AND TECHNOLOGY FOR DYNAMIC COMPARISON OF PRODUCT FEATURES AND CUSTOMER PROFILE
PROCEDES, CONCEPTS ET TECHNIQUE DE COMPARAISON DYNAMIQUE DE CARACTERISTIQUES D'UN PRODUIT ET DU PROFIL DES CONSOMMATEURS
Patent Applicant/Assignee:
ANDERSEN CONSULTING LLP, 100 South Wacker Drive, Chicago, IL 60606, US,
US (Residence), US (Nationality)
Inventor(s):
GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US
Legal Representative:
BRUESS Steven C, Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN
55402-0903, US
Patent and Priority Information (Country, Number, Date):

Patent: WO 200073958 A2 20001207 (WO 00739[illegible])
Application: WO 2000US14459 20000524 (PCT/WO US0014459)
Priority Application: US 99320818 19990527
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 151011

English Abstract

The present invention is provided for comparison shopping by utilizing a customer's profile to prioritize the features of a group of similar, competing products. First, a customer's profile is developed. This profile may be developed from many sources including customer input, customer buying habits, customer income level, customer searching habits, customer profession, customer education level, customer's purpose of the pending sale, customer's shopping habits, etc. Next, the customer selects multiple, similar items, i.e. products or services to compare. Finally, a comparison table is presented which prioritizes the features in accordance with the customer's profile.

French Abstract

La presente invention concerne un achat par comparaison grace a l'utilisation d'un profil consommateur pour etablir des priorites dans les caracteristiques d'un groupe de produits analogues en concurrence. D'abord on elabore un profil consommateur. Ce profil peut etre elabore a partir de plusieurs sources, y compris une entree de donnees du consommateur, les habitudes d'achat du consommateur, le revenu du consommateur, les habitudes de recherche du consommateur, la profession du consommateur, le niveau d'education du consommateur, les attentes du consommateur pour la vente en cours, les habitudes d'achat du consommateur, etc. Ensuite, le consommateur selectionne plusieurs articles analogues, c.-a-d. des produits ou des services afin de les comparer. Enfin, un tableau de comparaison produit etablit des priorites de caracteristiques en fonction du profil du consommateur.

Legal Status (Type, Date, Text)
Publication 20001207 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010222 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... addressing performance issues.

g) Do the users have a choice of whether or not to use the **system** ? User interface prototyping tools are important since they allow developers to obtain user input early on in...and to agree on a deadline for these enhancements.

c) Will the vendor guarantee consistency of all **interfaces** acrossfuture releases? The biggest danger in using packaged components is that the vendor will make changes to the component **interfaces** . When selecting packaged components make sure the vendor guarantees backwards compatibility of all the existing **interfaces** provided by the component. If this is not the case, it will entail much reworking of the...

...5 specifically for the platform of the target system.
e) Does the component provide standard or proprietary **interfaces** ?
When choosing between packaged components, always choose standard **interfaces** over proprietary ones. It will always be easier to customize and **interface** a component whose language is known to the development team, rather than one which requires developers to...b) Does the editor support multiple languages?
Some IDEs provide support for many languages using the same **interface** (for example, MS Developer Studio supports C, C++, Java, Fortran). This has the advantage of providing the...

...enter program break points and step through a program, tracking the progress of execution and identifying errors **interactively** . It is typically used in conjunction with the source code editor so that coding errors identified can...a starting point for programming.

Shell generation is typically repository-based but can also be based on **interaction** with the programmer, where the generation utility requests key information about the program, and generates a starting...

...the programmer) may include.

0 Data base tables accessed
0 Methods and attributes defined (for objects)
0 **Interface** inforination
Based on this inforination, the generator selects the appropriate include files and creates skeleton code which...

...programming tools) allows the developer to rapidly design windows and pages using a point and click graphical **interface** . ne relevant source code is subsequently generated from these designs.

The generation of DDL and DML is...outweigh the value of wrapping an object/code. As objects/code become more complex, with more functions/ **interfaces** , then the value of wrapping them becomes more tangible.

172
Media Content Creation
As systems become increasingly user-facing, it is important to design user **interfaces** that are not only functional, but also engaging and informative. This is especially true of Internet and kiosk-based systems, where users have a notoriously short concentration span.

This requirement for more attractive user **interfaces** has triggered the evolution of media-rich applications, the development of which requires new tools and processes...that component testing is complete. To view the test case checklist follow the doclink.

d) What components **interface** with the Test Planning component?
The following components **interface** with the Test Planning component.

Tools - System Building - Test - Test execution, This **interface** relates to the actual Test Planning scripts for an automated script playback capability. The scripting tool can...not directly related to the systems, or are performed infrequently. Many of the functions, however, require an **interface** to the systems, or involve large volumes of data.

Is integration with any existing systems required?
If...

...technical expertise will be needed at remote sites, and there is the potential for problems with the **interfaces** between tools,
Platform Constraints
Systems-based tools (e.g., for monitoring or control purposes) will

clearly be...

...functions is highly desirable. Integrated toolsets offer integrated functionality across a number of functions, thus simplifying the **interfaces** between them (e.g., data will automatically be consistent across functions). Purchase of such tools will help...

...the vendors to determine whether these requirements are being met.

PRESENTATION (1302)

The presentation component provides the **interface** between the manager(s) of the system and management data generated by the system. Data can be...

...of output. By integrating the operational architecture it is possible to reduce the number of front-end **interfaces** required. Commonly, the presentation component uses a GUI front-end **interface** . This component is also responsible for real-time and historical report generation.

EVENT PROCESSING (1304)

Event processing...

...information on to either the presentation or management applications layers. Again it is important to consider the **interface** of the event processing component with the other components of the operational architecture.

Help Desk (1306)

As...IS organizations to ensure the incidents and problems get resolved).

,Incident Management (1308)

Incident Management provides the **interface** between the users of the system and those operating and maintaining the system when an incident arises...

...required to perform at least some of these management tasks.

EVENT / DATA GENERATION (1314)

Event/data generation **interacts** with all the managed components in the execution and development environments in order to obtain the required management information.

This component also **interacts** with the physical environment, managing hardware, and supporting infrastructure components of the operational architecture to obtain management information. It is important to consider these **interfaces** when choosing event/data generation components. Agents and proxies are two common types of event/data generation...entire organization. (Case based tools will require building up over time.)

Incident Management

Incident Management provides the **interface** between the users of the system and those operating and maintaining the system when an incident arises...

...be automatically logged or only by manual association with an incident?

Automatic logging of problems will require **interfaces** to be built with the Event Management system, and perhaps the execution architecture for application errors.

Request...

...user, vendor, or developer. Request Management I 0 determines if and when requests will be fulfilled through **interaction** with the particular function(s) impacted by the request. Following such **interaction** , accepted requests will be planned, executed, and tracked.

```
  Implementation Considerations
  Will users be given access to the...


 15/5,K/14     (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00520885    **Image available**
SYSTEM AND METHOD FOR TRANSMITTING VOICE AND DATA USING INTELLIGENT BRIDGED
    TDM AND PACKET BUSES
SYSTEME ET PROCEDE DE TRANSMISSION DE SIGNAUX VOCAUX ET DE DONNEES A L'AIDE
    DE BUS MRT ET DE PAQUETS PONTES DE MANIERE INTELLIGENTE
Patent Applicant/Assignee:
  VERTICLE NETWORKS INC,
  PICKETT Scott K,
Inventor(s):
  PICKETT Scott K,
Patent and Priority Information (Country, Number, Date):
  Patent:               WO 9952237 A1 19991014
  Application:          WO 99US7587 19990405  (PCT/WO US9907587)
  Priority Application: US 9855072 19980403; US 9855036 19980403; US
    98161550 19980925; US 98163596 19980929; US 98167408 19981006
Designated States: AT AU BR CA CH CN CZ DE DK ES FI GB HU ID IL JP KP KR LT
  LU LV MX NO NZ PL PT RO RU SE SG TR UA US US US US US US AT BE CH CY DE
  DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: H04J-003/16
International Patent Class: H04J-003/24; H04L-012/43; H04L-012/28;
  H04L-012/56; H04L-012/40
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 14484

English Abstract
   Systems (Figs. 1 and 2) for transmitting voice/data using
  multiprotocols.

French Abstract
   La presente invention porte sur des systemes (figures 1 et 2) qui
  permettent de transmettre des signaux vocaux et des donnees a l'aide de
  multiprotocoles.

Fulltext Availability:
  Detailed Description

Detailed Description
...  applications; provides a single point of contact for fault isolation;
  ensures maximum application availability by isolating application
  subsystems ; increases  security  by preventing  unauthorized  access;
  prevents interruption of service due to power supply failure; ensures
  maximum system availability by providing an independent  watchdog
  service; keeps the user informed of system status through notification of
  system problems, no matter where the...


 15/5,K/15     (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00344642
SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS
    PROTECTION
SYSTEMES  ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION
    ELECTRONIQUE DES DROITS
Patent Applicant/Assignee:
```

ELECTRONIC PUBLISHING RESOURCES INC,
Inventor(s):
GINTER Karl L,
SHEAR Victor H,
SPAHN Francis J,
VAN WIE David M,
Patent and Priority Information (Country, Number, Date):

Patent:	WO 9627155 A2 19960906
Application:	WO 96US2303 19960213 (PCT/WO US9602303)
Priority Application:	US 95388107 19950213

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ TM AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: G06F-001/00
International Patent Class: G06F-17:60
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 207972

English Abstract

The present invention provides systems and methods for electronic commerce including secure transaction management and electronic rights protection. Electronic appliances such as computers employed in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Secure subsystems used with such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Secure distributed and other operating system environments and architectures, employing, for example, secure semiconductor processing arrangements that may establish secure, protected environments at each node. These techniques may be used to support an end-to-end electronic information distribution capability that may be used, for example, utilizing the "electronic highway".

French Abstract

Systemes et procedes destines au domaine du commerce electronique, et notamment a la gestion securisee des transactions et a la protection electronique des droits. Les appareils electroniques tels que les ordinateurs utilises conformement a la presente invention permettent d'assurer que les informations ne sont consultees et exploitees que de maniere autorisee, et ils conservent l'integrite, la disponibilite et/ou le caractere confidentiel des informations. Les sous-systemes securises utilises en association avec de tels appareils electroniques constituent un environnement de distribution virtuel distribue (VDE) apte a imposer une chaine securisee de traitement et de commande, par exemple pour la commande et/ou la mesure ou encore le controle de l'utilisation d'informations stockees ou diffusees electroniquement. Cet environnement de distribution virtuel peut servir a proteger les droits de differents individus impliques dans le commerce electronique et dans d'autres transactions electroniques ou assistees par des moyens electroniques. On a egalement prevu des environnements et architectures de systeme d'exploitation distribues, securises et autres mettant en oeuvre, par exemple, des ensembles de traitement securise a semi-conducteurs pouvant etablir des environnements securises et proteges au niveau de chaque noeud. Ces techniques peuvent servir de soutien pour une fonction electronique de distribution d'informations de bout en bout, cette fonction etant utilisable, par exemple, dans le domaine de l'"autoroute electronique".

Fulltext Availability:
  Detailed Description

Detailed Description
... as needed.

- 214
As mentioned above, memory external to SPU 500 may not be secure. Therefore, when **security** is required, SPU 500 must encrypt secure information before writing it to external memory, and decrypt secure...

15/5,K/16 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00321279 **Image available**
CONNECTING A PORTABLE DEVICE TO A NETWORK
CONNEXION D'UN DISPOSITIF PORTATIF A UN RESEAU
Patent Applicant/Assignee:
  THE GENERAL HOSPITAL CORPORATION,
  AQUILA TECHNOLOGIES GROUP INC,
Inventor(s):
  SIMS Nathaniel M,
  KADNER Steven P,
  FERGUSON Kevin,
  MARTINEZ Chris,
  RAJALA Robert,
Patent and Priority Information (Country, Number, Date):

```
  Patent:               WO 9603787 A1 19960208
  Application:          WO 95US9032 19950718  (PCT/WO US9509032)
  Priority Application: US 94282051 19940728
```

Designated States: AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: H01R-013/703
International Patent Class: G06F
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 15750

English Abstract
A tag (30) associated with a device (12) and that identifies the device with respect to other devices is connected to a communication link (16) with the same connector (100) used to connect the device to a source of power (110). The device connector includes an element for receiving electrical power and a data contact (106) connected to the tag. An electrical power connector (110) (which serves as the power source) has an element for engaging the element of the device connector and applying electrical power thereto, and another data contact (120) connected to the communication link (16). When the device connector is engaged with the electrical power source connector, the data contacts engage one another and establish a data path between the communication link and the tag. The connection to the communication link allows information to be exchanged between the communication link and the tag.

French Abstract
Un marqueur (30) associe avec un dispositif (12) permet d'identifier le dispositif par rapport a d'autres dispositifs. Ce marqueur est connecte a une liaison de communication (16) par le meme connecteur (100) que celui utilise pour connecter le dispositif a une source (110) de courant. Le connecteur du dispositif comporte un element pour recevoir le courant electrique et un contact (106) pour les donnees connecte au marqueur. Un connecteur (110) a courant electrique (qui sert de source de courant) a un element pour s'engager avec l'element du connecteur du dispositif et

assurer son alimentation en courant electrique et un autre contact (120) pour donnees connecte a la liaison de communication (16). Lorsque le connecteur du dispositif est engage avec le connecteur de la source de courant electrique, les contacts pour donnees s'engagent ensemble et etablissent un trajet de communication entre la liaison de communication et le marqueur. La connexion a la liaison de communication permet un echange d'information entre la liaison de communication et le marqueur.

Fulltext Availability:
  Detailed Description

Detailed Description
... 522 (Fig, 20) is integrated with an alarm system 620 and digital camera 622 to provide a **security subsystem** in location 18a (e,g., a storeroom or patient room), The **security subsystem** allows only those users with an authorized identifications (e.g., user IDs as indicated by tags 30...

...624) can remove devices 12 (such as device 12e) plugged into power strip 500. Host computer 60 **tracks** whether device 12e has been disconnected before a user ID has been read by badge 35 reader...

...14 to 5 take a picture of the user. Digital camera 622 transmits the photograph of the **unauthorized** user of device 12e as a digital file to host computer 60 over network 14.

Alarm system...

15/5,K/17 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00303936
HOME AUTOMATION SYSTEM
SYSTEME DOMOTIQUE
Patent Applicant/Assignee:
  INTELLINET INC,
Inventor(s):
  HUMPHRIES L Scott,
  RASMUSSEN Glenn,
  VOITA Douglas L,
  PRITCHETT James D,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9522087 A1 19950817
  Application: WO 95US1805 19950214 (PCT/WO US9501805)
  Priority Application: US 94503 19940215
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: G05B-015/00
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 17230

English Abstract
A home automation system comprises a number of sub-systems for controlling various aspects of a house, such as a security sub-system (50), and HVAC sub-system (70), a lighting control sub-system, and an entertainment sub-system. The network comprises a host computer (20)

connected through a host interface (24) to a plurality of nodes (25-30). The network is in a free form topology and employ asynchronous communication. The host computer (20) polls each node on the network to determine system configuration and to perform a diagnostic check on the system. The messages that are transmitted between the nodes are comprised of a source address, a destination address that uniquely indentifies the location of each piece of hardware on the system, a message type field, and a data length segment. Each hardware device has a mirror image software object in the host computer to which messages are directed.

French Abstract

Un systeme domotique comprend un certain nombre de sous-systemes qui commandent diverses operations domestiques, par exemple un sous-systeme de securite (50), un sous-systeme d'alimentation electrique haute tension (70), un sous-systeme de commande de l'eclairage et un sous-systeme de loisirs. Le reseau comporte un ordinateur central (20) connecte par une interface hote (24) a une pluralite de noeuds (25-30). Le reseau a une topologie a structure non imposee et fait appel a une communication asynchrone. L'ordinateur central (20) interroge chaque noeud du reseau pour determiner la configuration du systeme et realiser un diagnostic du systeme. Les messages transmis entre les noeuds se composent de l'adresse de la source, d'une adresse de destination qui identifie specifiquement l'emplacement de chaque element de materiel du systeme, d'un champ de message et d'un segment de longueur de donnees. Chaque appareil cable possede un objet logiciel correspondant dans l'ordinateur central, auquel les messages sont destines.

Fulltext Availability:
Claims

Claim

... of the invention comprises a home automation system having a number of sub-systems, such is a **security** **sub** - **system** , a lighting control sub system, and an environmental control sub-system, The home automation system comprises a...

...of the invention comprises a home automation system having a number of sub-systems, such as a **security** **sub** - **system** , a lighting control sub system, and an environmental control sub-system. The home automation system comprises a...

...of the invention comprises a home automation system having a number of sub-systems, such as a **security** **sub** - **system** , a lighting control sub system, and an environmental control sub-system, The home dutomation system comprises a...interfaces employ a common means of controlling
associated devices,
A fifth aspect of the invention comprises a **watch** dog timer for use in a home automation system. According to this embodiment of the invention, a **watch** dog timer circuit initiates a phone call to an off-site location when an operation signal is...

...a bus inter
face circuit in the host interface;
Fig, 8 is a schematic diagram of a **watch** dog timer;
- 10
Fig. 9 is a flow chart illustrating a run time diagram for the host...

...an event
processing loop for the host computer;
Fig. 11 is a block diagram of a home **security**

sub - system in the home automation system;
Fig, 12 is a block diagram of an embodiment of a zone in the home **security** **sub - system** ;
Fig, 13 is an exemplary house layout depicting a second embodiment of the zones in the home **security** **sub - system** ;
Figs, 14A, 14B, and 14C depict possible modes of operation for the home **security** **sub - system** ;
Fig, 15 is a schematic of a keypad interface for the home **security** **sub - system** ;
Fig, 16 is a block diagram of an environmental control sub-system;
Fig, 17 is a schematic...

...nodes, such as an AC Power.Module node,
The host computer 20 is also connected to a **watch** dog timer 22 which is then connected to an auto-dialer 23,
Each node may then be...As generally shown in Fig, 3, the system includes a circuit which is referred to as a " **watch** dog timer" 22. This circuit periodically **monitors** the host computer 20 to verify that the home automation system
- 15
remains active. If the system fails to indicate that it still is on line, the **watch** dog timer 22 can initiate a call over the telephone lines to an off-site location and...

...that the system is not active.
Fig. 8 is a schematic diagram showing an embodiment of the **watch** dog timer 22 according to-the present invention, As shown, the **watch** dog circuit is capacitively coupled to the host computer 20 through a serial port, The host computer...

...technique known in the art,
To ensure the reliability of the monitor feature provided by the **watch** dog timer 22, the **watch** dog circuit is powered by a backed-up supply which is independent of the power supplied to the rest of the system,
Further, as shown, the **watch** dog circuit includes a power-up reset circuit, The reset circuit includes a timer circuit U4 which...a message to transmit and the bus has been captured by another node, then the node randomly **monitors** the bus until a free slot to transmit a message has been detected.
As part of an error **checking** routine, the host computer 20 transmits at periodic intervals a message to every node to determine whether...For instance,
all thermostat control nodes would have the same type segment, Also, all nodes that monitor **intrusion** sensors WO 95/22087
PCTfUS95/01805 - 19
analog input card and a digital input card* The subtype...digital input card may have a plurality of channels with each one associated with a different window **intrusion** sensor. The connection segment would then provide a different address for each sensor on that digital input...
...20 can monitor the status of
every hardware device. For instance, the address for a particular window **intrusion** sensor would contain a domain segment identifying the sensor as a hardware device, a node ID segment that uniquely identifies the node, a type segment indicating that the node is one that **monitors** security sensors, a subtype segment that identifies the digital input card to which the window **intrusion** sensor is connected, a board segment which identifies the physical location of the digital input card...

...messages.
The use of the various segments in the address also allows the host computer 20 to **check** the status of the network and to determine the configuration of the network, For instance, by using...201, the host computer 20 evaluates timer events to determine whether any timers have expired and to **check** on all time of day events. For instance, at step 201, the host computer 20 might...

...defined by a distinct zone
52e
Alternatively, a first security zone 52 may comprise a node that **monitors** all of the door **intrusion** sensors while a second security zone 52 may comprise a node that **monitors** all of the window **intrusion** sensors. Fig* 13 illustrates an exemplary layout of the zones 52 in a house. As shown in the figure, a first zone is comprised of all door **intrusion** sensors 1, a second zone encompasses all window **intrusion** sensors 2, a third zone is defined to include all fire sensors 3, a fourth zone contains...

...intrusion, the host computer 20
may then transmit a message to a security alarm 56 in the **security sub - system** to emit a siren, a message to.the lighting control sub-system to turn on lights, and...

...20
takes in response to an event depends in part upon the mode of operation of the **security sub - system** , As an example, Fig. 14A illustrates a night mode of operation where the interior motion sensors do...communicates with its mirror image software object in the host computer 20. The software in the node **monitors** the physical button 80 and transmits messages to the mirror image software button 82 in the...

15/5,K/18 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00179615
COMPUTER FILE PROTECTION SYSTEM
SYSTEME DE PROTECTION DE FICHIERS D'ORDINATEUR
Patent Applicant/Assignee:
EMPIRICAL RESEARCH SYSTEMS INC,
Inventor(s):
JONES Richard P,
Patent and Priority Information (Country, Number, Date):

Patent:	WO 9013084 A1 19901101
Application:	WO 90US2113 19900418 (PCT/WO US9002113)
Priority Application:	US 89886 19890419

Designated States: AT AU BE CH DE DK ES FR GB IT JP KP KR LU NL SE SU
Main International Patent Class: G06F-012/14
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 5813

English Abstract
The invention is a system for protecting the security of computer files. It has hardware elements, including a programmable auxiliary memory and control unit along with associated software elements. The **security subsystem** is installed on the host computer bus so that it resides in

the control logic, address, and data signal path between the computer storage device and central processing unit. The security system is accessible by the computer operating system only during installation and initialization. Thereafter it is inaccessible to or by the operating system. Supervisor determined criteria for access permission to read, write and execute files are entered into the auxiliary memory system where they are protected from alteration. The security system will deny access to users with invalid entry criteria and refuse to write data to the file storage device when **unauthorized** operations have been performed. When breaches of these types occur the security system can lock the computer against further activity until it is released by entry of a master password from supervisory or security personnel. The system maintains a protected area in the computer memory device where, among other data, file signatures of all valid files are retained. The protected area of memory also maintains appropriate signatures of all internal files in the security system so that they can be automatically **checked** for integrity.

French Abstract

L'invention concerne un systeme de protection pour la securite des fichiers d'ordinateur. Il possede des elements machine, comprenant une unite de commande et memoire auxiliaire programmable ainsi que des elements de logiciel associes. Le sous-systeme de securite est installe sur le bus de l'ordinateur central de sorte qu'il reside dans le chemin de logique de commande, d'adresse et de signaux de donnees entre le dispositif de stockage de l'ordinateur et l'unite de traitement centrale. Le sous-systeme de securite est accessible par le systeme de fonctionnement de l'ordinateur uniquement pendant l'installation et la mise en marche. Ensuite, il est inaccessible au systeme de fonctionnement ou par ce systeme de fonctionnement. Des criteres determines par un superviseur pour l'autorisation d'avoir acces au fichier, a leur lecture et a leur ecriture, sont entres dans le systeme a memoire auxiliaire ou ils sont proteges contre toute modification. Le systeme de securite refuse l'acces a des utilisateurs dont les criteres d'entree ne sont pas valides et refuse l'ecriture de donnees dans le dispositif de stockage par fichier lorsque des operations non autorisees ont ete effectuees. Lorsque des infractions de ce type ont ete commises, le systeme de securite peut verrouiller l'ordinateur et empecher toute activite future jusqu'a sa liberation par introduction d'un mot de passe maitre introduit par le personnel de supervision ou de securite. Le systeme maintient une zone protegee dans le dispositif a memoire de l'ordinateur ou, parmi d'autres donnees, des signatures de fichiers de tous les fichiers valides sont retenues. La zone protegee de la memoire maintient egalement des signatures appropriees de tous les fichiers internes dans le systeme de securite de maniere a pouvoir controler automatiquement leur integrite.

Fulltext Availability:
Detailed Description
Claims

English Abstract

...has hardware elements, including a programmable auxiliary memory and control unit along with associated software elements. The **security subsystem** is installed on the host computer bus so that it resides in the control logic, address, and...

...to users with invalid entry criteria and refuse to write data to the file storage device when **unauthorized** operations have been performed. When breaches of these types occur the security system can lock the computer...

...maintains appropriate signatures of all internal files in the security system so that they can be automatically **checked** for integrity.

Detailed Description

... main bus in similar fashion is an encryption/unencryption device. It is emphasized here

that the file **security** **subsystem** in not, nor is it in any way analogous,
to an encryption device. It may include an...

...13084 PCT/US90/02113
Operation of the File Security System
During startup, the file security system will **check** the files associated with the operating system for consistency. This is done by comparing the file signatures...

...portion of memory within the file storage device
that ig inaccessible to the operating system, The same **check** can be made for any change in file signature of all executable files. As was noted earlier...

Claim
... control logic, address and data signals;
supplying operating system software for said computer;
further providing a file **security** **subsystem** for said digital computer, said **security** **subsystem** further comprising a programmable auxiliary memory and control unit attachable to the host computer bus in a...

...control logic, address, and data
5 signal path between said storage device and central processing unit, said **security** **subsystem** being accessible by the computer operating system for initialization and modification only during an installation stage of the **security** **subsystem** but following said installation stage,
during computer system operation, the **security** **subsystem** is inaccessible
to or by the operating system,
the auxiliary memory system being adapted for receiving and...

...to users with invalid entry criteria and refusing to write data to the file storage device when **unauthorized** operations have been performed.
4